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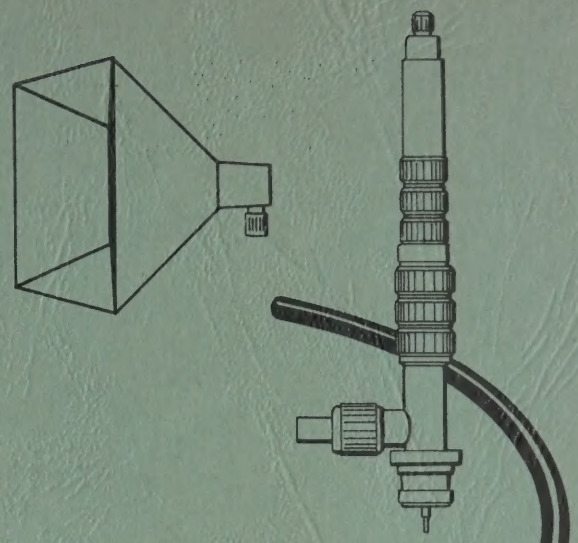
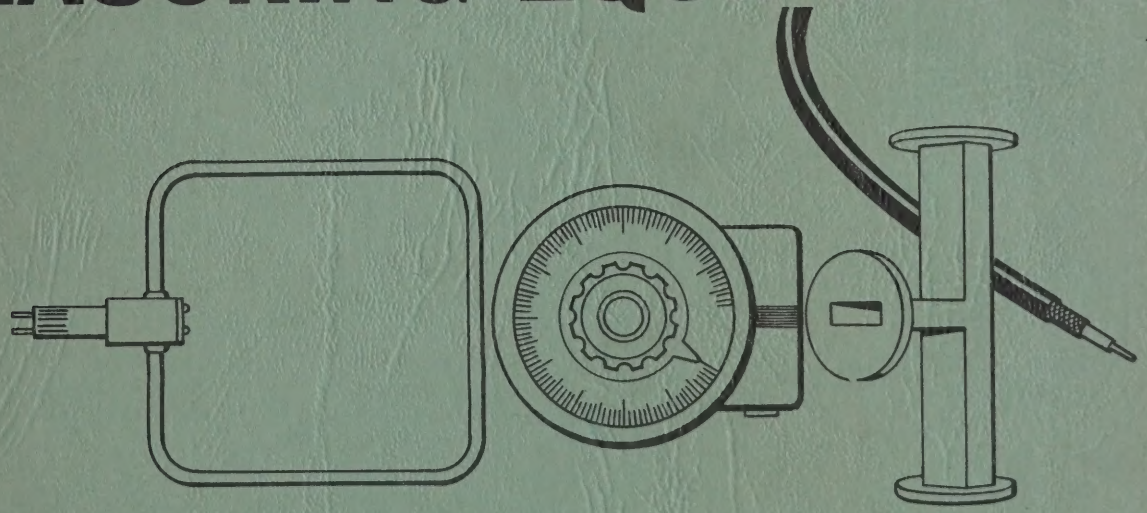
Electrical & Electronic

TEST EQUIPMENT DATA HANDBOOK

VOLUME 11



ASSOCIATED DEVICES FOR TEST AND MEASURING EQUIPMENT



FREDERICK RESEARCH CORPORATION

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ELECTRICAL & ELECTRONIC

TEST EQUIPMENT DATA HANDBOOK

VOLUME 11

ASSOCIATED DEVICES FOR TEST AND MEASURING EQUIPMENT

FREDERICK RESEARCH CORPORATION
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TO THE USERS OF THIS HANDBOOK:

In recognition of the many problems associated with the selection of electrical-electronic test equipment for specific applications, Frederick Research Corporation has compiled a series of volumes which contain test equipment descriptions. The items described in the volumes are primarily those used by government agencies and contractors. At the request of the government, and in the interest of providing users with the desired information without the necessity of costly search and compilation, this firm has made this unclassified data available to government agencies and contractors for many years.

The United States Senate has twice cited the Frederick Research Corporation in the Congressional Record (1955 and 1960) for its achievements in efforts to save the government millions of dollars by avoiding duplication in government purchases and promoting the development and utilization of the best test equipment at the lowest cost consistent with quality. We believe that the material in these volumes should provide a means for users to review their test equipment requirements with a minimum expenditure of funds and technical man-hours.

FREDERICK RESEARCH CORPORATION

AIDS TO USE OF THE VOLUMES

This series of volumes has been prepared for the purpose of aiding engineers and other personnel in the selection of electrical-electronic test equipment to satisfy numerous test requirements. Thus, the format of the descriptive sheets has been specifically designed to provide the concise equipment data necessary for the selection procedure - functional description, electromechanical characteristics, reference source data, and other pertinent information. All data is as complete and current as the information available at the time the equipment description was prepared.

To save the maximum amount of time and to facilitate easy location of a particular item, the complete series has been divided into volumes based upon the accepted functional classification of equipment types. Thus, all equipments performing a specific type of test, monitoring, or measurement function are contained in one volume. For example, all equipments performing Voltage and Current Measuring functions are contained in Volume 1. Where the number of equipment descriptions in a particular class is insufficient to warrant an entire book, more than one volume (class) of equipment descriptions may be included in one book. For example, Volumes 5, 6, 7, 8 and 9 are contained in one book. The volumes are separated by green divider sheets.

Conversely, where the number of equipment descriptions is so large that a single book would be cumbersome, the volume will consist of two or more parts. For instance, Volume 10 is sufficiently large to warrant its division into parts.

Within each functional class and its subclasses, the descriptive sheets are arranged in alpha-numerical order based upon the equipment designation, e.g., ME-6B/U, ME-6D/U, ME-30/U, TS-375/U, and similarly until all descriptions in one particular class are covered.

The definitions and index of the functional classification categories and subclassifications will be found on the following pages. The alpha-numerical arrangement is provided to aid the user in his search for items in the event that only item nomenclature is known.

As an example of use of the Handbook, assume specific test requirements arise which dictate the use of a vacuum tube voltmeter (VTVM). To determine if there is an equipment having the necessary characteristics, locate the List of Handbook Volumes on Page iii in any

of the Handbook volumes and note that voltage and current measuring equipments are located in Volume 1.

In Volume 1 turn to the Electronics Test Equipment Functional Classifications to find the functional class under which VTVM's appear. From the listing, it is seen that voltage measuring equipments are assigned the functional class of 1.1 and that VTVM's are most likely included in the subclass 1.1.1 Electronic Voltmeter. A check of the functional class definitions provided on Page vii will verify this.

Next, turn to the yellow divider, 1.1 Voltage Measuring Equipment, and proceed in that section to the equipment descriptions assigned the functional class 1.1.1. All VTVM descriptions will appear in alpha-numerical order within this section. Alpha-numerical listings of equipment descriptions within each subclass are provided in the Table of Contents.

Data on specific pieces of test equipment may also be quickly located. For instance, assume that one wanted to look up the characteristics of the ME-6D/U Electronic Multimeter. First, locate the correct volume as in the above example, which in this case is again Volume 1. In Volume 1 refer to the Alpha-Numerical Index, locate the item and note its functional class as being 1.1.1. Next, turn to the yellow divider 1.1 Voltage Measuring Equipment and proceed in that section to the descriptions assigned the functional class 1.1.1. The ME-6D/U is placed alpha-numerically in this class, physically located between the ME-6B/U and the ME-30/U.

A standard data format is used throughout the Handbook. Once the user has become familiar with this format, he will find it easy to locate specific data on a given instrument as well as convenient for the comparison of several instruments.

LIST OF HANDBOOK VOLUMES

Title	Volume
Voltage and Current Measuring Equipment	1
Frequency Measuring Equipment	2
Waveform Measuring and/or Analyzing Equipment	3
Signal Generating Equipment	4
Field Strength and Intensity Measuring Equipment	5
Impedance and Standing Wave Ratio Measuring Equipment	6
Active Networks for Test Purposes	7
Time Measuring and Counting Equipment	8
Nuclear Energy Test and Measuring Equipment	9
Multifunction Test and Measuring Equipment	10
Associated Devices for Test and Measuring Equipment	11
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Standards and Calibration Equipment for Test and Measuring Equipment	13
Power and Energy Measuring Equipment	14
Temperature Indicating, Measuring, and Recording Equipment	15
Stress, Strain and Flaw Detecting and Measuring Equipment	16
Gas and/or Liquid Measuring and Analyzing Equipment	17
Kinematic Test and Measuring Equipment	18
Optical Testing, Measuring and Aligning Equipment	19

11. ASSOCIATED DEVICES FOR TEST AND MEASURING EQUIPMENT

- 11.1 Electromagnetic Coupling Equipment
  - 11.1.1 Test Antenna
  - 11.1.2 Electric (Rod) Probe
  - 11.1.3 Magnetic (Loop) Probe
- 11.2 Transmission Line Equipment
  - 11.2.1 Coaxial Line Connector
  - 11.2.2 Waveguide Line Connector
  - 11.2.3 Transmission Line Adapter
  - 11.2.4 Transmission Line Transition
  - 11.2.5 Adapter Kit
  - 11.2.6 Coaxial Line Assembly
  - 11.2.7 Waveguide Line Assembly
- 11.3 Wire Circuit Equipment
  - 11.3.1 Cord, Cable, and Harness
  - 11.3.2 Tube Socket Adapter
  - 11.3.3 Plugs, Jacks, and Junction Box
- 11.4 Acoustical-Electrical Transducer
  - 11.4.1 Microphone
  - 11.4.2 Headset or Loudspeaker
  - 11.4.3 Hydrophone
- 11.5 Auxiliary Mechanical Equipment
  - 11.5.1 Mounting Bracket and Clamp
  - 11.5.2 Blower and Fan
- 11.6 Power Supply and Regulator

11. ASSOCIATED DEVICES FOR TEST AND MEASURING EQUIPMENT
An equipment which must be used in conjunction with other items of test equipment to make a test or measurement.

11.1 ELECTROMAGNETIC COUPLING EQUIPMENT
A component designed to abstract energy from an electromagnetic field, and transfer it to a measuring equipment or network; conversely, an equipment, supplied with power from a generator capable of radiating energy in the form of an electromagnetic wave.

11.1.1 TEST ANTENNA
A conductor or system of conductors designed to radiate or receive electromagnetic waves for test purposes.

11.1.2 ELECTRIC (ROD) PROBE
A rod which may be inserted in an electric field to detect DC, audio, or RF energy for an exploratory examination or test.

11.1.3 MAGNETIC (LOOP) PROBE
A loop-type conductor designed to detect the presence of static, audio, or RF magnetic fields.

11.2 TRANSMISSION LINE EQUIPMENT
An equipment designed to transmit electromagnetic waves for a specific operation or for test purposes.

11.2.1 COAXIAL LINE CONNECTOR
A component designed to provide a connection between two coaxial lines or between a coaxial line and an equipment.

11.2.2 WAVEGUIDE LINE CONNECTOR
A component designed to provide a connection between two waveguides or between a waveguide and an equipment.

11.2.3 TRANSMISSION LINE ADAPTER
An equipment designed to provide a connection between transmission lines of different sizes.

11.2.4 TRANSMISSION LINE TRANSITION
A device designed to transfer electromagnetic energy from one transmission line to another when the two lines have different transmission characteristics.

ELECTRONICS TEST EQUIPMENT
FUNCTIONAL CLASSIFICATION - DEFINITIONS

11.2.5 ADAPTER KIT
A kit containing an assortment of cables and adapters for use with test or support equipment.

11.2.6 COAXIAL LINE ASSEMBLY
An integral unit consisting of a coaxial transmission line together with suitable connectors at each end.

11.2.7 WAVEGUIDE LINE ASSEMBLY
An integral unit consisting of a waveguide transmission line together with suitable connectors at each end.

11.3 WIRE CIRCUIT EQUIPMENT
An equipment designed to modify or to adapt the connections to a wire circuit for a specific operation or for test purposes.

11.3.1 CORD, CABLE, AND HARNESS
An assembly of conductors within a protective sheath designed to join electrically two or more electrical equipments.

11.3.2 TUBE SOCKET ADAPTER
A device used to connect two or more items, one or more being a tube socket.

11.3.3 PLUGS, JACKS, AND JUNCTION BOX
Devices used to facilitate the interconnection of electronics test equipments on auxiliary devices.

11.4 ACOUSTICAL - ELECTRICAL TRANSDUCER
A device designed to transform acoustical energy into electrical energy, and vice versa; for use in, or with, test or measuring equipments.

11.4.1 MICROPHONE
A device designed to transform acoustical energy into electrical energy.

11.4.2 HEADSET OR LOUDSPEAKER
A device designed to transform electrical energy into acoustical energy.

11.4.3 HYDROPHONE
A device employed to convert acoustical energy in a liquid medium to electrical energy.

11.5 AUXILIARY MECHANICAL EQUIPMENT

A mechanical equipment which is employed in the test of electronics equipment, but does not form a part of the measuring system.

11.5.1 MOUNTING BRACKET AND CLAMP

A device used in the mounting and securing of electronics equipment.

11.5.2 BLOWER AND FAN

An equipment used to circulate air around electronics equipment for cooling purposes.

11.6 POWER SUPPLY AND REGULATOR

Equipment used to supply and/or regulate power to electrical or electronic equipment under test or to electronic test equipment, but does not include prime power sources.

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Functional Classification	Designation	Name	
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11.5	MK-62/AP	Pressurizing Kit	577
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11.5.1	MX-915/U	Test Set Adapter	591
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11.5.1	Minneapolis-Honeywell HT159	Table, Vertical Gyro Leveling	597
11.5.1	Minneapolis-Honeywell HT273, HT274	Rotor Mounting Chuck	599
11.5.1	Minneapolis-Honeywell UG52A-1, UG52B-1	Rotor Balancing Chuck	601
11.5.2	HD-5/APS-20	Blower	603

*Refers to Models A, B, C, D, F, G, H, J, K, L, M, N, O, R, U.

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Functional Classification	Designation	Name	
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11.6	PP-106/U	Power Supply	623
11.6	RA-66-B	Rectifier	627
11.6	RA-69-B	Rectifier	631
11.6	RA-70-B	Rectifier	633
11.6	RA-72-C	Rectifier	635
11.6	SM-34/CPS-6B	Antenna Position Simulator	639
11.6	Eclipse-Pioneer 13673-1-A	Power Supply, Two-Phase	641
11.6	Eclipse-Pioneer 13739-1-A	Control	645
11.6	General Electric 7603348G1	Test Set	649
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ALPHA-NUMERICAL INDEX

Designation	Name	Functional Classification
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AN/GPM-9	Power Supply Group	11.6
AS-23/AP	Antenna Assembly	11.1.1
AT-39/AP	Horn Antenna	11.1.1
AT-49B/APR-4	Antenna	11.1.1
AT-67/AP	Antenna	11.1.1
AT-68/UP	Antenna	11.1.1
AT-88/U	Probe Antenna	11.1.2
AT-152/U	Test Antenna	11.1.1
AT-153/U	Test Antenna	11.1.1
AT-154/U	Test Antenna	11.1.1
AT-155/U	Test Antenna	11.1.1
AT-156/U	Test Antenna	11.1.1
AT-157/U	Test Antenna	11.1.1
AT-158/U	Test Antenna	11.1.1
AT-159/U	Test Antenna	11.1.1
AT-183A/AP	Antenna	11.1.1
AT-190A/AP	Antenna	11.1.1
AT-191A/AP	Antenna	11.1.1
AT-219/APR-9	Antenna	11.1.1
BC-936-A	Indicator	11.2.4
C-154/TPS-1B	Control Box	11.6
CD-307-A	Cord	11.3.1
CD-502	Cord	11.3.1
CD-503	Cord	11.3.1
CD-505-A	Cord	11.3.1
CD-627	Cord	11.2.6

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Designation	Name	Functional Classification
CD-663	Cord	11.2.6
CD-799	Cord	11.3.1
CD-800	Cord	11.2.6
CD-935	Cord	11.3.1
CD-1099	Cord	11.2.6
CD-1100	Cord	11.2.6
CD-1101	Cable	11.2.6
CD-1102	Cord	11.3.1
CD-1103	Cord	11.2.6
CD-1104	Cord	11.2.6
CD-1106	Cord	11.3.1
CD-1108	Cord	11.3.1
CD-1141	Cord	11.3.1
CG-40/TPS-1	Cord	11.2.6
CG-55B/U	Cord	11.2.6
CG-60/AP	Cord	11.2.6
CG-67/MRQ-2	Cord	11.2.6
CG-70/MPM-10	Cord	11.2.6
CG-71/MPM-10	Cord	11.2.6
CG-91/U	Cord	11.2.6
CG-92B/U	Cord	11.2.6
CG-100/U	Cord	11.2.6
CG-107/U	Cord	11.2.6
CG-111/TPS-1B	Combination Cable	11.3.1
CG-135/UP	Cord	11.2.6
CG-136/UP	Cord	11.2.6
CG-155/TPN-2	Cord	11.2.6

ALPHA-NUMERICAL INDEX (Continued)

Designation	Name	Functional Classification
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CG-187/TPS-1B	Transmission Line	11.2.6
CG-188/TPS-1B	Transmission Line	11.2.6
CG-227/CPS-1	Cord	11.2.6
CG-228/CPS-1	Cord	11.2.6
CG-229/CPS-1	Cord	11.2.6
CG-230/CPS-1	Cord	11.2.6
CG-231/CPS-1	Cord	11.2.6
CG-232/CPS-1	Cord	11.2.6
CG-295A/U	Cord	11.2.6
CG-296/CPM-4	Cord	11.2.6
CG-297/CPM-4	Cord	11.2.6
CG-308/U	Transmission Line	11.2.6
CG-317/U	Cord	11.2.6
CG-373/U	Cord	11.2.6
CG-381/U	Cord	11.2.6
CG-385/U	Cord	11.2.6
CG-409A/U	Cord	11.2.6
CG-426A/U	Cord	11.2.6
CG-497/U	RF Cable Assembly	11.2.6
CG-547A/U	RF Cable Assembly	11.2.6
CG-559/U	RF Cable Assembly	11.2.6
CG-562/U	RF Cable Assembly	11.2.6
CG-566/U	Cable Assembly	11.2.6
CG-582/U	RF Cable Assembly	11.2.6
CG-620/U	RF Cable Assembly	11.2.6
CG-621/U	RF Cable Assembly	11.2.6

ALPHA-NUMERICAL INDEX (Continued)

Designation	Name	Functional Classification
CG-624/MPM-2	RF Cable Assembly	11.2.6
CG-637/U	Waveguide Assembly	11.2.7
CO-119-A	Cord	11.3.1
CU-108/UP	Test Line Assembly	11.2.6
CX-106/GR	Cable	11.2.6
CX-187/APN-3	Cord	11.3.1
CX-245/UP	Cord	11.3.1
CX-246/UP	Cord	11.3.1
CX-247/UP	Cord	11.3.1
CX-248/UP	Cord	11.3.1
CX-249/UP	Cord	11.3.1
CX-250/UP	Cord	11.3.1
CX-251/UP	Cord	11.2.6
CX-252/UP	Cord	11.3.1
CX-253/UP	Cord	11.3.1
CX-254/UP	Cord	11.3.1
CX-255/UP	Cord	11.3.1
CX-256/UP	Cord	11.3.1
CX-257/UP	Cord	11.3.1
CX-258/UP	Cord	11.3.1
CX-259/UP	Cord	11.3.1
CX-260/UP	Cord	11.3.1
CX-261/UP	Cord	11.3.1
CX-262/UP	Cord	11.3.1
CX-263/UP	Cord	11.3.1
CX-337/U	Cable	11.3.1
CX-339/TPS-1B	Cord	11.3.1

ALPHA-NUMERICAL INDEX (Continued)

Designation	Name	Functional Classification
CX-414/CPS-1	Cord	11.3.1
CX-434/CPS-1	Cord	11.3.1
CX-436/CPS-1	Cord	11.3.1
CX-437/CPS-1	Cord	11.3.1
CX-468/U	Cord	11.3.1
CX-510/TPS-10	Cord	11.3.1
CX-516/TPS-10	Cord	11.3.1
CX-520/TPS-10	Cord	11.3.1
CX-572/CPX	Cord	11.3.1
CX-647/CPM-4	Cord	11.2.6
CX-648/CPM-4	Cord	11.2.6
CX-762/CPM-10	Cord	11.3.1
CX-985/U	Cord	11.3.1
CX-986/U	Cord	11.3.1
CX-1021/ARN-6	Cord	11.3.1
CX-1107/U	Cable	11.3.1
CX-1108/U	Cable	11.3.1
CX-1109/U	Cable	11.3.1
CX-1158/U	Special Purpose Cable Assembly	11.3.1
CX-1220/U	Switchboard Cord	11.3.1
CX-1224/U	Special Purpose Cable Assembly	11.3.1
CX-1237/CPN-2A	Special Purpose Cable Assembly	11.3.1
CX-1312/U	Cable	11.3.1
CX-1313/U	Cable	11.3.1
CX-1314/U	Special Purpose Cable Assembly	11.3.1
CX-1315/U	Special Purpose Cable Assembly	11.3.1

Designation	Name	Functional Classification
CX-1316/U	Special Purpose Cable Assembly	11.3.1
CX-1317/U	Special Purpose Cable Assembly	11.3.1
CX-1331/U	Test Lead Set	11.3.1
CX-1395/U	Wiring Assembly	11.3.1
CX-1396/U	Wiring Assembly	11.3.1
CX-1397/U	Wiring Assembly	11.3.1
CX-1398/U	Wiring Assembly	11.3.1
CX-1399/U	Wiring Assembly	11.3.1
CX-1400/U	Wiring Assembly	11.3.1
CX-1401/U	Wiring Assembly	11.3.1
CX-1402/U	Wiring Assembly	11.3.1
CX-1403/U	Wiring Assembly	11.3.1
CX-1404/U	Wiring Assembly	11.3.1
CX-1405/U	Wiring Assembly	11.3.1
CX-1406/U	Wiring Assembly	11.3.1
CX-1407/U	Wiring Assembly	11.3.1
CX-1408/U	Wiring Assembly	11.3.1
CX-1409/U	Wiring Assembly	11.3.1
CX-1410/U	Wiring Assembly	11.3.1
CX-1411/U	Wiring Assembly	11.3.1
CX-1412/U	Wiring Assembly	11.3.1
CX-1413/U	Wiring Assembly	11.3.1
CX-1414/U	Wiring Assembly	11.3.1
CX-1415/U	Wiring Assembly	11.3.1
CX-1416/U	Wiring Assembly	11.3.1
CX-1420/U	Wiring Assembly	11.3.1
CX-1421/U	Wiring Assembly	11.3.1

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Designation	Name	Functional Classification
CX-1801/U	Cable	11.3.1
CX-1806/U	Cable	11.3.1
CX-1946/U	Test Cable	11.3.1
CX-2134/U	Cord	11.3.1
CX-2134A/U	Cord	11.3.1
HD-5/APS-20	Blower	11.5.2
*HS-30-( )	Headset	11.4.2
HS-33	Headset	11.4.2
ID-265/U	Voltage Indicator Probe	11.1.2
J-45/MPN-1	Outlet Box	11.3.3
J-307/CPS-6B thru J-314/CPS-6B, J-316/CPS-6B thru J-325/CPS-6B	Jack Box	11.3.3
J-520/U	Interconnecting Box	11.3.3
LS-3	Loudspeaker	11.4.2
M-359	Adapter	11.2.1
MK-20A/UP	Pressurizing Kit	11.5
MK-62/AP	Pressurizing Kit	11.5
MK-136/ARC-21	Radio Test Kit	11.2.5
MT-1164/U	Receiver-Transmitter Maintenance Stand	11.5.1
MX-135/AP	Adapter	11.2.3
MX-215A/APG	Blower Unit	11.5.2
MX-915/U	Test Set Adapter	11.5.1
MX-925/U	RF Probe	11.1.2

*Refers to Models A, B, C, D, F, G, H, J, K, L, M, N, O, R, U.

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Designation	Name	Functional Classification
MX-929/U	RF Probe	11.1.2
MX-933/U	Test Prod	11.1.2
MX-934/U	Test Prod	11.1.2
MX-949A/U	Tube Socket Adapter Kit	11.3.2
MX-1019/U	RF Probe	11.1.2
MX-1028/U	Test Set Adapter	11.5.1
MX-1258/U	Tube Socket Adapter Kit	11.3.2
MX-1345/APN-84	Hardware Kit	11.5
MX-1414/GPA-5	Video Pattern Slide	11
MX-1415/GPA-5	Video Pattern Slide	11
MX-1416/GPA-5	Video Pattern Slide	11
MX-1417/U	Adapter, Tube Socket	11.3.2
MX-1434/AP	Adapter, Tube Socket	11.3.2
PP-32/AR	Rectifier Power Unit	11.6
PP-81A/CPS-1	Rectifier Power Unit	11.6
PP-106/U	Power Supply	11.6
RA-66-B	Rectifier	11.6
RA-69-B	Rectifier	11.6
RA-70-B	Rectifier	11.6
RA-72-C	Rectifier	11.6
SM-34/CPS-6B	Antenna Position Simulator	11.6
TS-129/UP	Test Antenna	11.1.1
TS-200/CPM-4	Detector	11.3.2
TS-210/MPM	Test Antenna	11.1.1
TS-353A/UP	Waveguide Probe	11.1.2
TS-361A/U	Adapter	11.3.2
TS-378/UP	Pressurizing Plate	11.5

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Designation	Name	Functional Classification
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U-51/U	Adapter	11.3.2
UG-27C/U	Radio Frequency Adapter	11.2.1
UG-29B/U	Radio Frequency Adapter	11.2.1
UG-30C/U	Radio Frequency Jack	11.2.1
UG-38A/U	Radio Frequency Receptacle	11.2.1
UG-51/U	Cover	11.2.7
UG-57B/U	Radio Frequency Adapter	11.2.1
UG-59B/U	Radio Frequency Plug	11.2.1
UG-83A/U	Adapter	11.2.3
UG-88C/U	Radio Frequency Plug	11.2.1
UG-89B/U	Radio Frequency Jack	11.2.1
UG-119/UP	Crystal Adapter	11.2.4
UG-146/U	Adapter	11.2.3
UG-179/AP	Adapter	11.2.1
UG-180A/U	Plug	11.2.1
UG-181A/U	Receptacle	11.2.1
UG-197/U	Adapter	11.2.3
UG-201A/U	Adapter	11.2.3
UG-213A/U	Adapter	11.2.3
UG-224/U	Adapter	11.2.1
UG-255/U	Adapter	11.2.3
UG-270/U	Adapter	11.2.3
UG-271/U	Adapter	11.2.3
UG-273/U	Adapter	11.2.3
UG-283/U	Elbow	11.2.2
UG-284/U	Elbow	11.2.2

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Designation	Name	Functional Classification
UG-306/U	Adapter	11.2.1
UG-309/U	Adapter	11.2.3
UG-326/TPM-7	Adapter	11.2.1
UG-349A/U	Adapter	11.2.3
UG-397/U	Adapter Connector	11.2.4
UG-398/U	Adapter Connector	11.2.4
UG-399/U	Adapter Connector	11.2.4
UG-400/U	Adapter Connector	11.2.4
UG-402/U	Adapter Connector	11.2.4
UG-420/U	Waveguide Flange	11.2.7
UG-446/U	Adapter Connector	11.2.4
UG-519/U	Adapter Connector	11.2.3
UG-552/U	Adapter Connector	11.2.4
UG-607/U	Adapter Connector	11.2.3
UG-608/U	Adapter Connector	11.2.3
UG-609/U	Adapter Connector	11.2.3
UG-610/U	Adapter Connector	11.2.3
UG-611/U	Adapter Connector	11.2.3
UG-683/U	Crystal Socket Adapter	11.3.2
UG-953/U	Coaxial To Waveguide Adapter	11.2.4
UG-978/U	Connector, Adapter	11.2.1
UG-1065/U	Connector, Receptacle	11.2.1
UG-1066/U	Connector, Receptacle	11.2.1
Bird 840A	Pulse Converter	11.2.4
Dayton Electric IC-939	Blower	11.5.2
Eclipse-Pioneer 13673-1-A	Power Supply, Two-Phase	11.6
Eclipse-Pioneer 13739-1-A	Control	11.6

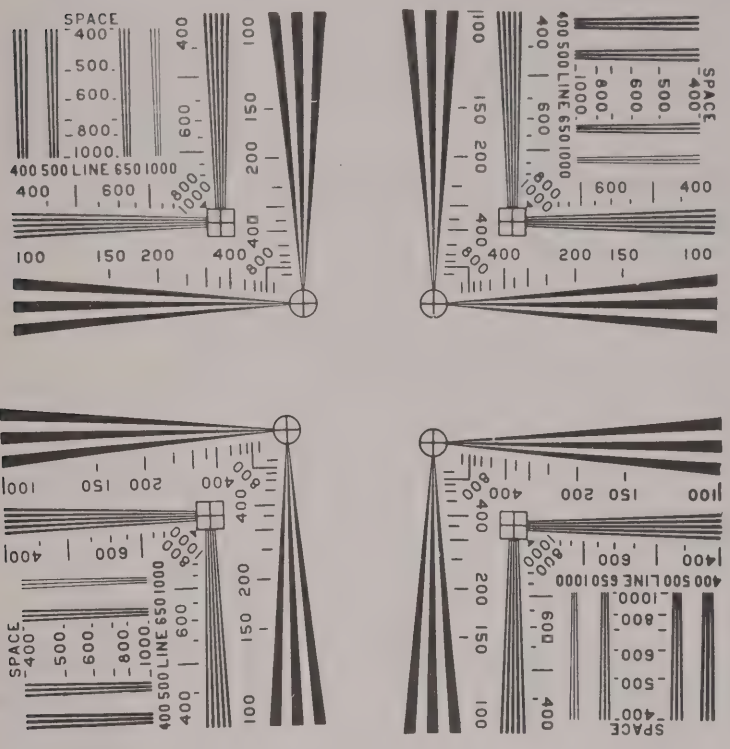
ALPHA-NUMERICAL INDEX (Continued)

Designation	Name	Functional Classification
General Electric 7603348G1	Test Set	11.6
General Radio 874-QBJA	Adaptor, Coaxial	11.2.1
General Radio 874-QBPA	Adaptor, Coaxial	11.2.1
General Radio 874-QNPA	Adaptor, Coaxial	11.2.1
Hewlett-Packard 420A	Crystal Detector	11
Hewlett-Packard 440A	Detector Mount	11.1.2
Hewlett-Packard 459A	High Voltage Probe	11.1.2
Hewlett-Packard 715A	Power Supply	11.6
Hughes 404014-100	Oven-Thermal Drying Electrical Dehydrator	11.5
Lambda 25	Power Supply	11.6
Leeds and Northrup CF-19	Equalizing Block	11.5
Lockheed 456682	Target Stand, Universal Boresight	11.5.1
Minneapolis-Honeywell HT159	Table, Vertical Gyro Leveling	11.5.1
Minneapolis-Honeywell HT273, HT274	Rotor Mounting Chuck	11.5.1
Minneapolis-Honeywell UG52A-1, UG52B-1	Rotor Balancing Chuck	11.5.1
Polytechnic 250-A	RF Probe	11.1.2
Sierra 148	Detector, Crystal	11
Sperry T-101067	Panel, Control	11.6
Sperry T-101126	Junction Box, Power Supply	11.6
Vector T-789	Tube Socket Adapter Kit	11.3.2
Vector T-789-S	Kit, Tube Adapter, Pin Extension	11.3.2

Designation	Name	Functional Classification
CD-663	Cord	11.2.6
CD-799	Cord	11.3.1
CD-800	Cord	11.2.6
CD-935	Cord	11.3.1
CD-1099	Cord	11.2.6
CD-1100	Cord	11.2.6
CD-1101	Cable	11.2.6
CD-1102	Cord	11.3.1
CD-1103	Cord	11.2.6
CD-1104	Cord	11.2.6
CD-1106	Cord	11.3.1
CD-1108	Cord	11.3.1
CD-1141	Cord	11.3.1
CG-40/TPS-1	Cord	11.2.6
CG-55B/U	Cord	11.2.6
CG-60/AP	Cord	11.2.6
CG-67/MRQ-2	Cord	11.2.6
CG-70/MPM-10	Cord	11.2.6
CG-71/MPM-10	Cord	11.2.6
CG-91/U	Cord	11.2.6
CG-92B/U	Cord	11.2.6
CG-100/U	Cord	11.2.6
CG-107/U	Cord	11.2.6
CG-111/TPS-1B	Combination Cable	11.3.1
CG-135/UP	Cord	11.2.6
CG-136/UP	Cord	11.2.6
CG-155/TPN-2	Cord	11.2.6

11. ASSOCIATED DEVICES FOR TEST AND MEASURING EQUIPMENT

VIDEO PATTERN SLIDE MX-1414/GPA-5



FUNCTIONAL DESCRIPTION:

A special purpose black and white, negative type, panchromatic slide, which enables an electronic mapping group to transmit the pattern to radar sets under test for the purpose of aligning and adjusting their PPI scopes. This slide consists of a clear glass fused against the emulsion side of the film to protect the pattern. The pattern is composed of four details of converging, variable thickness, straight lines, with logarithmic calibration marks and numerals.

RELATIONSHIP TO OTHER EQUIPMENT:

Used with Electronic Mapping Group AN/GPA-5 in testing all radar sets with PPI scopes.

ELECTROMECHANICAL DESCRIPTION:

Power Supply: None.
Background Density: 3.0 black (no pinholes visible when used properly).
Pattern Density: 40.08 maximum, for clear area.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.			
PROCUREM'T INFO.:			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, Rome	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11	
- Electronics Test Equipment -			MX-1414/GPA-5

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U.S.A.

VIDEO PATTERN SLIDE MX-1414/GPA-5

MANUFACTURERS' OR CONTRACTORS' DATA:
(Presently made by using activities.)

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:

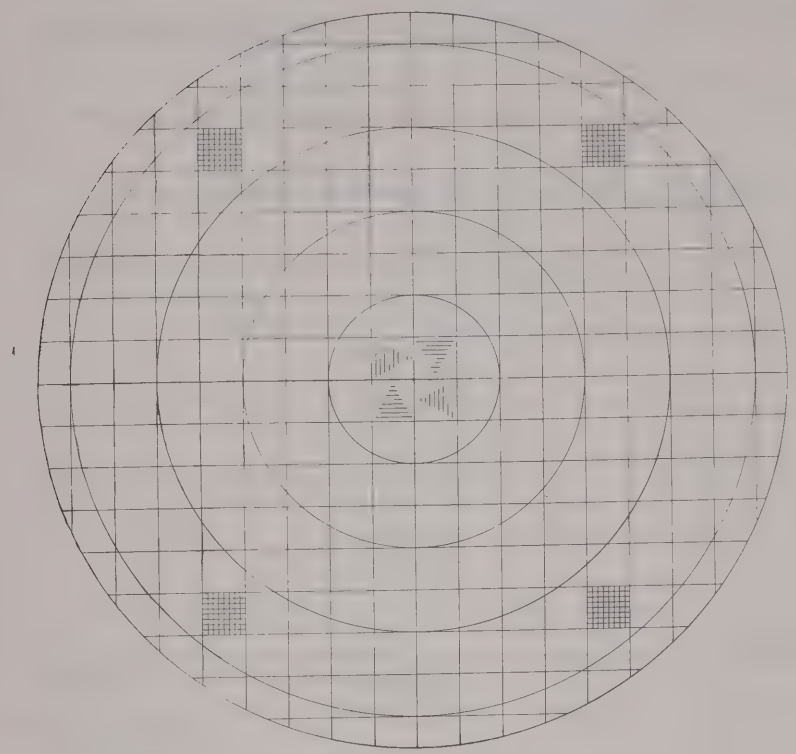
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Video Pattern Slide MX-1414/GPA-5	Glass			9.99 dia.	1/8	1

VIDEO PATTERN SLIDE MX-1415/GPA-5



FUNCTIONAL DESCRIPTION:

A special purpose black and white, negative type, panchromatic slide, which enables an electronic mapping group to transmit the pattern to radar sets under test for the purpose of aligning and adjusting their PPI scopes. This slide consists of a clear glass fused against the emulsion side of the film to protect the pattern. The pattern is composed of concentric circles with superimposed squares, all of equal line thickness.

RELATIONSHIP TO OTHER EQUIPMENT:

Used with Electronic Mapping Group AN/GPA-5 in testing all radar sets with PPI scopes.

ELECTROMECHANICAL DESCRIPTION:

Power Supply: None.
Background Density: 3.0 black (no pinholes visible when used properly).
Pattern Density: 40.08 maximum, for clear area.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.			
PROCUREM'T INFO.:			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, Rome	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11	
- Electronics Test Equipment -			MX-1415/GPA-5

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

VIDEO PATTERN SLIDE MX-1415/GPA-5

MANUFACTURERS' OR CONTRACTORS' DATA:
(Presently made by using activities.)

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:

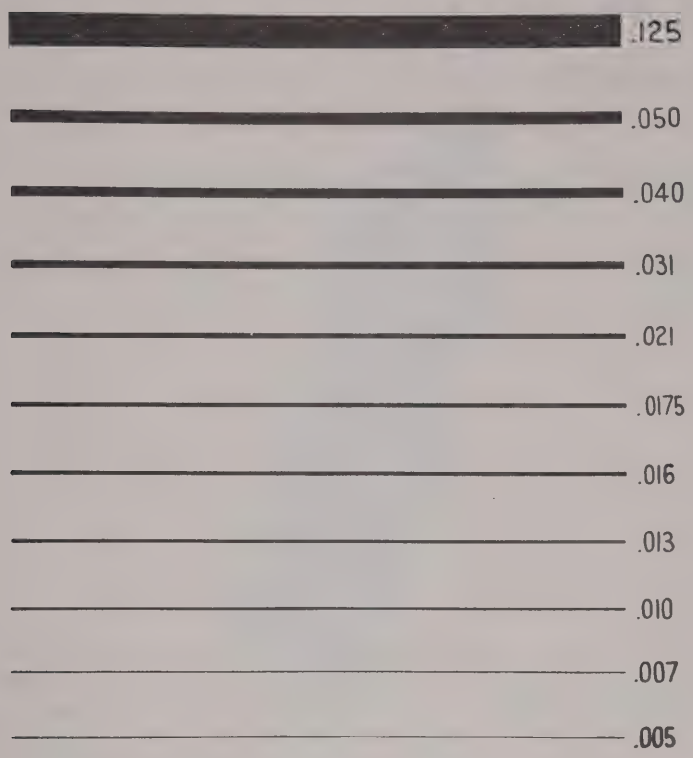
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Video Pattern Slide MX-1415/GPA-5	Glass			9.99 dia.	1/8	1

VIDEO PATTERN SLIDE MX-1416/GPA-5



FUNCTIONAL DESCRIPTION:

A special purpose black and white, negative type, panchromatic slide, which enables an electronic mapping group to transmit the pattern to radar sets under test for the purpose of aligning and adjusting their PPI scopes. This slide consists of a clear glass fused against the emulsion side of the film to protect the pattern. The pattern is composed of a series of straight, parallel lines, equally spaced, and of varying thickness.

RELATIONSHIP TO OTHER EQUIPMENT:

Used with Electronic Mapping Group AN/GPA-5 in testing all radar sets with PPI scopes.

ELECTROMECHANICAL DESCRIPTION:

Power Supply: None.
Background Density: 3.0 black (no pinholes visible when used properly).
Pattern Density: 40.08 maximum, for clear area.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.			
PROCUREM'T INFO.:			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, Rome	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11	
- Electronics Test Equipment -			MX-1416/GPA-5

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

VIDEO PATTERN SLIDE MX-1416/GPA-5

MANUFACTURERS' OR CONTRACTORS' DATA:
(Presently made by using activities.)

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Video Pattern Slide MX-1416/GPA-5	Glass			9.99 dia.	1/8	1

CRYSTAL DETECTOR
MODEL 420A
(Hewlett-Packard Company)

FUNCTIONAL DESCRIPTION:

A portable, general purpose device used to couple a Type N Coaxial connector to a modified 1n26 silicon crystal for detection of radio frequency signals in co-axial cables.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Power Supply: None.
Frequency Range: 10 megacycles to 12.5 kilomegacycles per second.
Sensitivity: 0.01 volt or 0.1 milliwatt.
Frequency Response: ±3 decibels.
Voltage Standing-Wave Ratio: 3, maximum.
Output Polarity: Negative.
Input Connector: Type N male.
Output Connector: Type BNC female.

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.		Limited Standard	
STOCK NOS.			
PROCUREM'T INFO.:			
PROCUREM'T COG.: Navy		DESIGN COG.: Commercial	
F.L.I.N.:		FUNCTIONAL CLASS. NO.: 11	
- Electronics Test Equipment -Hewlett-Packard 420A			

CRYSTAL DETECTOR
MODEL 420A
(Hewlett-Packard Company)

MANUFACTURERS' OR CONTRACTORS DATA:

Hewlett-Packard Company, 375 Page Mill Road, Palo Alto, California; Approximate Cost per Unit, $50.00.

TUBE COMPLEMENT:

1 1N26.

REFERENCE DATA AND LITERATURE:

Manufacturer's Catalog.

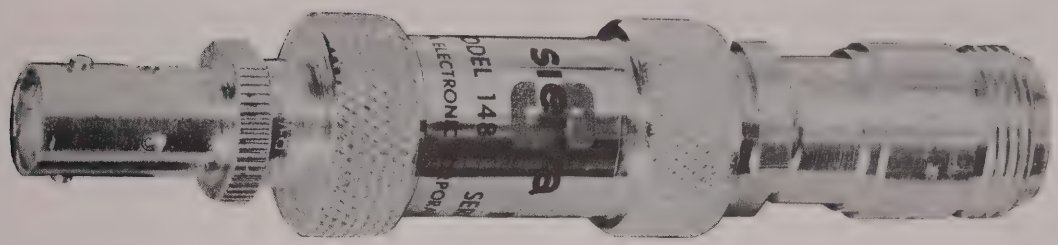
EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Crystal Detector Hewlett-Packard 420A			3 long	3/4 dia.		

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	
1	Crystal Detector Hewlett-Packard 420A					1

DETECTOR, CRYSTAL
Part No. 148
(Sierra Electronic Corporation)



FUNCTIONAL DESCRIPTION:

This device is designed to be used with a directional coupler for sensitive read-out of modulated CW of unmodulated RF transmission. It is intended to be connected to the Er or Ei terminal of Directional Couplers Models 137, 137A, 138 and 138A.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: The detector employs a 1N21B crystal and has a low VSWR and a high sensitivity to 1200 megacycles per second. A low-pass output filter is incorporated in the device.
Power Supply: None.
Input Impedance: 50 ohms.
Fixtures: Type N input connector.
Type BNC output connector.

MANUFACTURERS' OR CONTRACTORS' DATA:

Sierra Electronic Corporation, San Carlos, California.

TUBE COMPLEMENT:

None.

REFERENCE DATA AND LITERATURE:

Sierra Electronic Corporation Bulletin No. 100A (Short Form Catalog) and No. 104 (Wideband Directional Couplers).

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.			
PROCUREM'T INFO.:			
PROCUREM'T COG.:		DESIGN COG.: Commercial	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11	
- Electronics Test Equipment -			Sierra 148

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U.S.A.

DETECTOR, CRYSTAL
Part No. 148
(Sierra Electronic Corporation)

SHIPPING DATA:

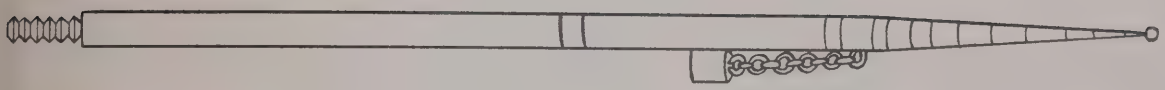
No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Detector, Crystal (Sierra 148)	Brass					

11.1 ELECTROMAGNETIC COUPLING EQUIPMENT

ANTENNA AN-29-C



FUNCTIONAL DESCRIPTION:

A special purpose, collapsible, whip type transmitting and receiving antenna for use in testing a receiver and transmitter when they are being operated as a portable unit. The antenna consists of thirteen telescopic sctions. Twelve sections are 4-13/32 inches long and one section is 13-25/32 inches long. The antenna is mounted to the antenna terminal on the rear of the receiver and transmitter case by a 3/8 inch 16 threads per inch stud which is located on the bottom of the antenna.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing Radio Sets SCR-609 and SCR-610. Similar to AN-29-D except for "Ebonal C" finish on the D model.

ELECTROMECHANICAL DESCRIPTION:

Power Supply: None required.

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	1760-201138000		2A229C
PROCUREM'T INFO.:	SigC Dwg. SC-D-5686		
PROCUREM'T COG.:	Army	DESIGN COG.: Army, SigC	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.1.1	
	- Electronics Test Equipment -		AN-29-C

is project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

ANTENNA AN-29-C

ELECTROMECHANICAL DESCRIPTION: (Continued)
Frequency Range: 27.0 to 38.9 megacycles per second.
Impedance: 700 ohms.

MANUFACTURERS' OR CONTRACTORS' DATA:
Galvin Manufacturing Company, Chicago, Illinois; Order Nos. 1989-CHI-42, DP-42-2582; 2514-CHI-42, 42-D-40; 2853-CHI-42, 42-D-3; 8459-PHILA-43, 43-D-25; and 1681-SCGDL-43, req. FR-783.

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:
TO 16-40SCR610-2 (Maintenance Instructions for SCR-610-A).

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Antenna AN-29-C	Admiralty Metal	1760-201138000 2A229C	15-1/2 collapsed 154 extended	1/2 dia.		0.63

ANTENNA ASSEMBLY AS-23/AP

FUNCTIONAL DESCRIPTION:

A general purpose, half-wave dipole assembly used in tuning and checking the operation of radar equipment. The dipole is located parallel to and in front of the radar antenna. The energy received by the dipole is re-transmitted by an echo box. Termination is a jack which fits RF Plug UG-21/U.

RELATIONSHIP TO OTHER EQUIPMENT:

Used with Echo Box TS-207/UP, Signal Generator TS-155/UP, and Wavemeter Test Set TS-117/GP.

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: The antenna consists of two quarter-wave length rods connected to a coaxial line, with a half-wave length reflector rod mounted behind the dipole.

Power Supply: None.

Frequency Range: 2500 to 3750 megacycles per second.

Resonant Frequency: 3000 megacycles per second.

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	7CHE-A4369	N16-D-3600-25	2A264-23
PROCUREM'T INFO.: Army Dwg. SC-D-12021			
PROCUREM'T COG.: Navy		DESIGN COG.: Navy, BuShips	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.1.1	
- Electronics Test Equipment -			AS-23/AP

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

ANTENNA ASSEMBLY AS-23/AP

ELECTROMECHANICAL DESCRIPTION: (Continued)
Input Impedance: 50 ohms.

MANUFACTURERS' OR CONTRACTORS' DATA:
Hazeltine Electronics Corporation, 1775 Broadway, New York 19, New York; Navy Order NObsr-39332; Hazeltine Dwg. A-4369.
Marathon Electric Manufacturing Corporation, Wausau, Wisconsin; Navy Contract NXsa-25890.
Approximate Cost per Unit, $14.00, May 1953.

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:
TO 16-30MPM5-5 (Instruction Book for AN/MPM-5).
TO 16-35TS270-2 (Maintenance Instructions for TS-270/UP and 14ABA).

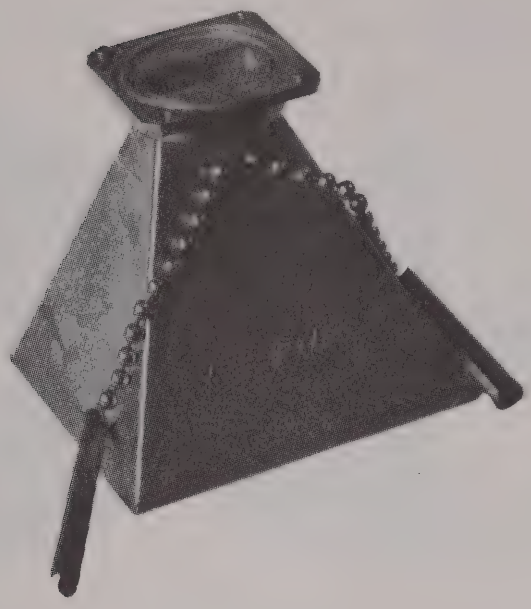
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Antenna Assembly AS-23/AP	silver plated brass	7CHE-A4369 N16-D-3600-25 2A264-23	3-13/16	2-3/16	1-1/8	0.2

HORN ANTENNA AT-39/AP



FUNCTIONAL DESCRIPTION:

A test antenna used with a power meter to measure average power levels either continuous wave or pulsed, or used with a signal generator for testing and general maintenance of radar equipment. It is a pyramid shaped horn type antenna fitted with a choke type flange.

RELATIONSHIP TO OTHER EQUIPMENT:

Part of Power Meter TS-36/AP and Signal Generator TS-35/AP.

Used with Signal Generator TS-622/U to test Radar Direction Finding Assembly AN/APA-17 and Radar Set AN/APR-9.

ELECTROMECHANICAL DESCRIPTION:

Power Supply: None.

Frequency Range: 8500 to 9600 megacycles per second.

Impedance: 50 ohms.

Gain with respect to hypothetical non-directional dipole at 9300 megacycles per second: 16.7 decibels.

Free space loss from hypothetical non-directional dipole to horn antenna output

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	7CAC-045625		2A303-39
PROCUREM'T INFO.:			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, ARL	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.1.1	
- Electronics Test Equipment -			AT-39/AP

s project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

HORN ANTENNA AT-39/AP

ELECTROMECHANICAL DESCRIPTION: (Continued)
approximately: 63 decibels for 80-foot spacing; 57 decibels for 40-foot spacing; 51 decibels for 20-foot spacing.
Accuracy of Calibration at 9300 megacycles per second: ±0.5 decibels.
Variation with Frequency: Within ±0.5 decibels.
Variation when pointing of the antenna differs from maximum output direction: -1 decibel for +6° angle.
Standing Wave Ratio at Waveguide Choke Coupling: 1.2 or less.

MANUFACTURERS' OR CONTRACTORS' DATA:
Western Electric Company, 120 Broadway, New York, New York; Contract Nos. 768-DAY-RA, 2118-DAY-RA, 870-DAY-RA, 1428-DAY-44; Approximate Cost per Unit, $39.50, November 1951.

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:
TO 16-35TS36-3 (Maintenance Instructions).
TO 16-35TS35-2 (Operation Instructions).

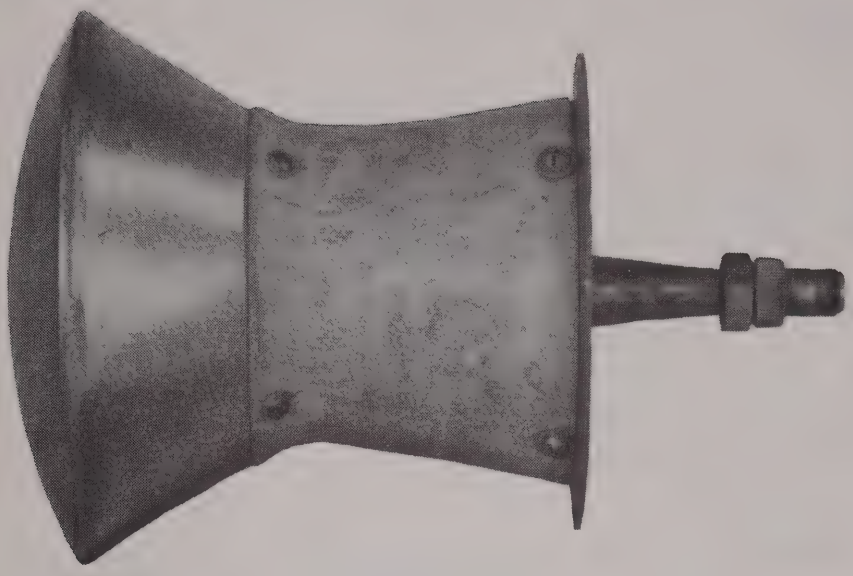
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Horn Antenna AT-39/AP	Brass	7CAC-045625 2A303-39	3-3/8	3-1/8	3-5/8	0.5

ANTENNA AT-49B/APR-4



FUNCTIONAL DESCRIPTION:

An airborne receiving and transmitting antenna which provides for measurement of antenna or transmission line characteristics, conversion gain, and various receiver measurements.

RELATIONSHIP TO OTHER EQUIPMENT:

Similar to Antenna AT-49A/APR-4 except moisture-proofed.

Similar to Cone Antenna AS-115/APT except AS-115/APT is intended for higher powered transmitters.

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: Consists of a 60 degree metallic cone supported by a truncated fiberglass cone mounted on a "pie-tin" shaped base and usually covered by a streamlined fiberglass or plexiglass nacelle.

Power Supply: None.

Frequency Range: 300 to 3000 megacycles per second.

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	1660-201020555		2A203-49B
PROCUREM'T INFO.: SigC. Dwg. SC-D-11039, SC-C-10691-A, SC-D-11041			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, ARL	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.1.1	
- Electronics Test Equipment -			AT-49B/APR-4

is project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

ANTENNA AT-49B/APR-4

ELECTROMECHANICAL DESCRIPTION: (Continued)

Impedance: 50 ohms.

Voltage Standing Wave Ratio: 2 to 1 from 300 to 3000 megacycles per second.
5 to 1 from 175 to 3000 megacycles per second.

Adjustment: FIXED.

Type of Connector: N.

MANUFACTURERS' OR CONTRACTORS' DATA:

The Crosley Corporation, Cincinnati, Ohio.

Webster Chicago Corporation, Chicago 39, Illinois; Contract No.AF 33(038)20384 dated 3 March 1952; Approximate Cost per Unit, $67.50.

TUBE COMPLEMENT:

None.

REFERENCE DATA AND LITERATURE:

TO 16-35AT49-4 (Parts Breakdown).

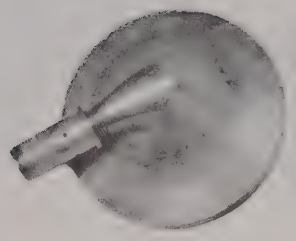
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Antenna AT-49B/APR-4 (Complete)	Metal	1660-201020555 2A203-49B	11	6 max. dia.		2.25

ANTENNA AT-67/AP



UNCTIONAL DESCRIPTION:

A general purpose, parabolic horn-type, broadband, test antenna used for receiving. It is equipped with a type N fitting to connect with RF Plug UG-18/U.

ELATIONSHIP TO OTHER EQUIPMENT:

LECTROMECHANICAL DESCRIPTION:

ower Supply: None.
requency Range: 2400 to 3335 megacycles per second.
ain: Approximately 8 decibels.
haracteristic Impedance: 50 ohms.

ANUFACTURERS' OR CONTRACTORS' DATA:

Cover Dual Signal Systems, Inc., 5215 Ravenwood Avenue, Chicago 40, Illinois;

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	7CAC-657650	N16-RR-60139-55	3F3988-67
PROCUREM'T INFO.:			
PROCUREM'T COG.: Army		DESIGN COG.: Army, ESL	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.1.1	
- Electronics Test Equipment -			AT-67/AP

project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

ANTENNA AT-67/AP

MANUFACTURERS' OR CONTRACTORS' DATA: (Continued)
Order No. 1109-DAY-44; Approximate Cost per Unit, $26.20, May 1953.

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:
TM 11-1217 (Instruction Book for TS-125/AP).

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Antenna AT-67/AP	Metal	7CAC-657650 N16-RR-60139-55 3F3988-67	4-1/4	3-1/2 dia.		0.5

ANTENNA AT-68/UP

FUNCTIONAL DESCRIPTION:

A portable, general purpose horn antenna used to transmit and receive frequencies in the X-band spectrum. The antenna serves as the coupling device between a radar transmitter output and associated test equipment during performance tests on the radar system.

RELATIONSHIP TO OTHER EQUIPMENT:

The antenna is used in conjunction with equipment such as Test Sets TS-146/UP, TS-147/UP and Spectrum Analyzer TX-148/UP.

ELECTROMECHANICAL DESCRIPTION:

Power Supply: None.
Frequency Range: 8500 to 9600 megacycles per second.
Gain: 9 decibels.
Impedance: 50 ohms, nominal.
Connector: Type N.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.		Standard	Standard
STOCK NOS.		N16-A-52545-1626	3F3988-68
PROCUREM'T INFO.: Spec CS-R 660159			
PROCUREM'T COG.: Navy		DESIGN COG.: Navy, BuAer	
F.L.I.N.: 6625-405-6410		FUNCTIONAL CLASS. NO.: 11.1.1	
- Electronics Test Equipment -			AT-68/UP

ANTENNA AT-68/UP

MANUFACTURERS' OR CONTRACTORS' DATA:

Airtron Incorporated, Linden, New Jersey; Contract No. N383s-36227; Approximate Cost per Unit, $19.00; Sperry Gyroscope Company, Great Neck, Long Island, New York; Contract No. NXsa-51553.

TUBE COMPLEMENT:

None

REFERENCE DATA AND LITERATURE:

TM11-1249, TO 16-35AT68-5.

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Antenna AT-68/UP		N16-A-52545-1626 3F3988-68	2-3/16	1-5/16	3-11/32	1/7

SHIPPING DATA.

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	
	Antenna AT-68/UP					

TEST ANTENNA AT-152/U

FUNCTIONAL DESCRIPTION:

A portable general purpose electromagnetic horn antenna designed for use as a receiving or transmitting antenna in antenna pattern measurements. It may also be used as a transmitting antenna in microwave communications systems.

RELATIONSHIP TO OTHER EQUIPMENT:

This antenna is similar to Sperry Model 383.

ELECTROMECHANICAL DESCRIPTION:

Physical Characteristics: The antenna consists of a cover flange, which mates with connectors, such as UG-214/U or UG-52/U, and a rectangular horn segment. Supporting structures are included for strength and rigidity. The horn is fabricated of electro-formed copper with a rhodium covered, silver-plated interior.

Power Supply: None.

Frequency Range: 2600 to 4000 megacycles per second.

Gain: 15 decibels (approximately).

Voltage Standing Wave Ratio: 1.2 (maximum).

Aperature Size: 7 inches x 9-3/8 inches.

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.			
PROCUREM'T INFO.:			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, RADC	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.1.1	
- Electronics Test Equipment -			AT - 152/U

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

TEST ANTENNA AT-152/U

ELECTROMECHANICAL DESCRIPTION: (Continued)
Reflected Power: Less than 1.0%.

MANUFACTURERS' OR CONTRACTORS' DATA:
Sperry Gyroscope Company, Division of the Sperry-Rand Corp., Great Neck, Long Island, New York.

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:
Sperry data sheet No. 23-30-F-1.
Sperry data sheet No. 23-1910, April 1950.

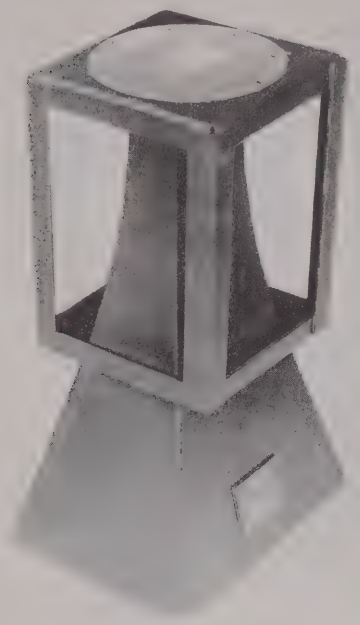
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Test Antenna AT-152/U	rho-dium		15-13/16 long	9-3/8	7	13

TEST ANTENNA AT-153/U



FUNCTIONAL DESCRIPTION:

A portable general purpose electromagnetic horn antenna designed for use as a receiving or transmitting antenna in antenna pattern measurements. It may also be used as a transmitting antenna in microwave communications systems.

RELATIONSHIP TO OTHER EQUIPMENT:

This antenna is similar to Sperry Model 327.

ELECTROMECHANICAL DESCRIPTION:

Physical Characteristics: The antenna consists of a cover flange, which mates with Connector UG-149A/U, and a rectangular horn segment. Supporting structures are included for strength and rigidity. The horn is fabricated of electro-formed copper with a rhodium covered, silver-plated interior.

Power Supply: None.

Frequency Range: 4000 to 6000 megacycles per second.

Gain: 15 decibels (approximately).

Voltage Standing Wave Ratio: 1.2 (maximum).

Aperture Size: 4-19/32 inches x 6-5/32 inches.

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.			
PROCUREM'T INFO.:			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, RADC	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.1.1	
- Electronics Test Equipment -			AT-153/U

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

TEST ANTENNA AT-153/U

ELECTROMECHANICAL DESCRIPTION: (Continued)
Reflected Power: Less than 1.0%.

MANUFACTURERS' OR CONTRACTORS' DATA:
Sperry Gyroscope Company, Division of the Sperry-Rand Corporation, Great Neck, Long Island, New York.

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:
Sperry data sheet No. 23-30-F-1.
Sperry data sheet No. 23-1910, April 1950.

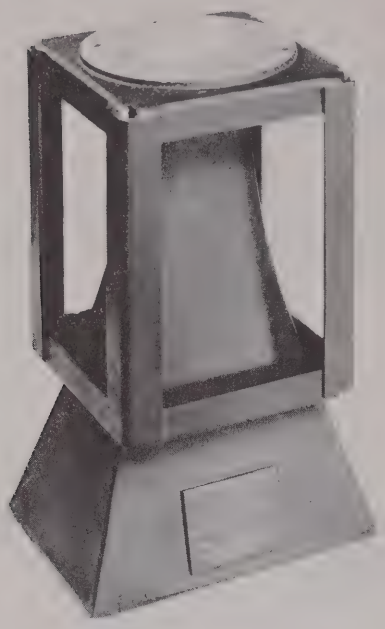
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Test Antenna AT-153/U	rho-dium		10-5/16 long	6-5/32	4-19/32	4

TEST ANTENNA AT-154/U



FUNCTIONAL DESCRIPTION:

A portable general purpose electromagnetic horn antenna designed for use as a receiving or transmitting antenna in antenna pattern measurements. It may also be used as a transmitting antenna in microwave communications systems.

RELATIONSHIP TO OTHER EQUIPMENT:

This antenna is similar to Sperry Model 328.

ELECTROMECHANICAL DESCRIPTION:

Physical Characteristics: The antenna consists of a cover flange, which mates with Connector UG-344/U, and a rectangular horn segment. Supporting structures are included for strength and rigidity. The horn in fabricated of electro-formed copper with a rhodium covered, silver-plated interior.

Power Supply: None.

Frequency Range: 5300 to 8200 megacycles per second.

Gain: 15 decibels (approximately).

Voltage Standing Wave Ratio: 1.2 (maximum).

Aperature Size: 3-27/64 inches x 4-35/64 inches.

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.			
PROCUREM'T INFO.:			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, RADC	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.1.1	
- Electronics Test Equipment -			AT-154/U

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

TEST ANTENNA AT-154/U

ELECTROMECHANICAL DESCRIPTION: (Continued)
Reflected Power: Less than 1.0%.

MANUFACTURERS' OR CONTRACTORS' DATA:
Sperry Gyroscope Company, Division of the Sperry-Rand Corp., Great Neck, Long Island, New York.

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:
Sperry data sheet No. 23-30-F-1.
Sperry data sheet No. 23-1910, April 1950.

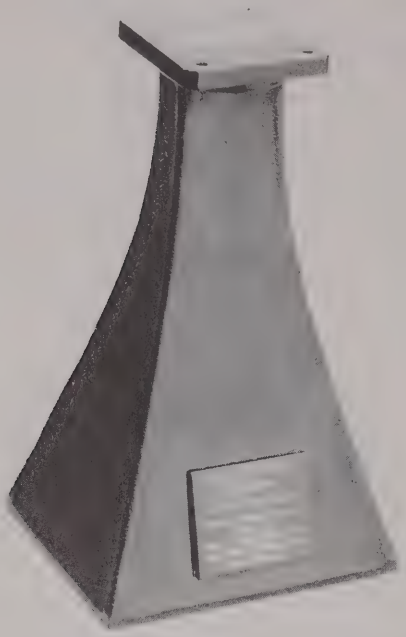
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Test Antenna AT-154/U	rho-dium		7-41/64 long	4-35/64	3-27/64	3

TEST ANTENNA AT-155/U



FUNCTIONAL DESCRIPTION:

A portable general purpose electromagnetic horn antenna designed for use as a receiving or transmitting antenna in antenna pattern measurements. It may also be used as a transmitting antenna in microwave communications systems.

RELATIONSHIP TO OTHER EQUIPMENT:

This antenna is similar to Sperry Model 329.

ELECTROMECHANICAL DESCRIPTION:

Physical Characteristics: The antenna consists of a cover flange, which mates with Connector UG-51/U, and a rectangular horn segment. Supporting structures are included for strength and rigidity. The horn is fabricated of electro-formed copper with a rhodium covered, silver-plated interior.

Power Supply: None.

Frequency Range: 7000 to 10,000 megacycles per second.

Gain: 15 decibels (approximately).

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.			
PROCUREM'T INFO.:			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, RADC	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.1.1	
- Electronics Test Equipment -			AT-155/U

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

TEST ANTENNA AT-155/U

ELECTROMECHANICAL DESCRIPTION: (continued)
Voltage Standing Wave Ratio: 1.2 (maximum).
Aperture Size: 2-51/64 inches x 3-47/64 inches.
Reflected Power: Less than 1.0%.

MANUFACTURERS' OR CONTRACTORS' DATA:
Sperry Gyroscope Company, Division of the Sperry-Rand Corporation, Great Neck, Long Island, New York.

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:
Sperry data sheet No. 23-30-F-1.
Sperry data sheet No. 23-1910, April 1950.

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Test Antenna AT-155/U	rho-dium		6-25/64 long	3-47/64	2-51/64	1

TEST ANTENNA AT-156/U

FUNCTIONAL DESCRIPTION:

A portable general purpose electromagnetic horn antenna designed for use as a receiving or transmitting antenna in antenna pattern measurements. It may also be used as a transmitting antenna in microwave communications systems.

RELATIONSHIP TO OTHER EQUIPMENT:

This antenna is similar to Sperry Model 384.

ELECTROMECHANICAL DESCRIPTION:

Physical Characteristics: The antenna consists of a cover flange, which mates with Connector UG-39/U, and a rectangular horn segment. The horn is fabricated of electro-formed copper with a rhodium covered, silver-plated interior.

Power Supply: None.

Frequency Range: 8100 to 12,400 megacycles per second.

Gain: 15 decibels (approximately).

Voltage Standing Wave Ratio: 1.2 (maximum).

Aperture Size: 2-1/4 inches x 3 inches.

Reflected Power: Less than 1.0%.

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.			
PROCUREM'T INFO.:			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, RADC	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.1.1	
- Electronics Test Equipment -			AT-156/U

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

TEST ANTENNA AT-156/U

MANUFACTURERS' OR CONTRACTORS' DATA:
Sperry Gyroscope Company, Division of the Sperry-Rand Corporation, Great Neck, Long Island, New York.

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:
Sperry data sheet No. 23-30-F-1.
Sperry data sheet No. 23-1910, April 1950.

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Test Antenna AT-156/U	rho-dium		5-7/32 long	3	2-1/4	1

TEST ANTENNA AT-157/U

FUNCTIONAL DESCRIPTION:

A portable general purpose electromagnetic horn antenna designed for use as a receiving or transmitting antenna in antenna pattern measurements. It may also be used as a transmitting antenna in microwave communications systems.

RELATIONSHIP TO OTHER EQUIPMENT:

This antenna is similar to Sperry Model 385.

ELECTROMECHANICAL DESCRIPTION:

Physical Characteristics: The antenna consists of a cover flange, which mates with Connector UG-419/U, and a rectangular horn segment. The horn is fabricated of electro-formed copper with a rhodium covered, silver-plated interior.
Power Supply: None.
Frequency Range: 12,400 to 18,000 megacycles per second.
Gain: 15 decibels (approximately).
Voltage Standing Wave Ratio: 1.2 (maximum).
Aperture Size: 1-9/16 inches x 2-3/32 inches.
Reflected Power: Less than 1.0%.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.			
PROCUREM'T INFO.:			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, RADC	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.1.1	
- Electronics Test Equipment -			AT-157/U

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

TEST ANTENNA AT-157/U

MANUFACTURERS' OR CONTRACTORS' DATA:
Sperry Gyroscope Company, Division of the Sperry-Rand Corporation, Great Neck, Long Island, New York.

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:
Sperry data sheet No. 23-30-F-1.
Sperry data sheet No. 23-1910, April 1950.

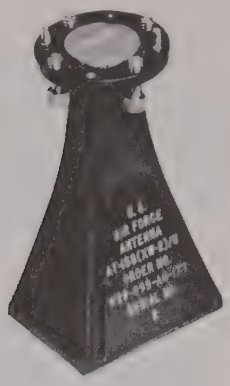
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Test Antenna AT-157/U	rho-dium		3-5/8 long	2-3/32	1-9/16	3/8

TEST ANTENNA AT-158/U



FUNCTIONAL DESCRIPTION:

A portable general purpose electromagnetic horn antenna designed for use as a receiving or transmitting antenna in antenna pattern measurements. It may also be used as a transmitting antenna in microwave communications systems.

RELATIONSHIP TO OTHER EQUIPMENT:

This antenna is similar to Sperry Model 386.

ELECTROMECHANICAL DESCRIPTION:

Physical Characteristics: The antenna consists of a cover flange, which mates with Connector UG-425/U, and a rectangular horn segment. The horn is fabricated of electro-formed copper with a rhodium covered, silver-plated interior.
Power Supply: None.
Frequency Range: 18,000 to 26,500 megacycles per second.
Gain: 15 decibels (approximately).
Voltage Standing Wave Ratio: 1.2 (maximum).
Aperture Size: 1-3/32 inches x 1-7/16 inches.
Reflected Power: Less than 1.0%.

MANUFACTURERS' OR CONTRACTORS' DATA:

Sperry Gyroscope Company, Division of the Sperry-Rand Corporation, Great Neck, Long Island, New York.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.			
PROCUREM'T INFO.:			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, RADC	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.1.1	
- Electronics Test Equipment -			AT-158/U

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S.

TEST ANTENNA AT-158/U

TUBE COMPLEMENT:

None.

REFERENCE DATA AND LITERATURE:

Sperry data sheet No. 23-30-F-1.
Sperry data sheet No. 23-1910, April 1950.

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Test Antenna AT-158/U	rho-dium		2-25/64 long	1-7/16	1-3/32	1/8

TEST ANTENNA AT-159/U

FUNCTIONAL DESCRIPTION:

A portable general purpose electromagnetic horn antenna designed for use as a receiving or transmitting antenna in antenna pattern measurements. It may also be used as a transmitting antenna in microwave communications systems.

RELATIONSHIP TO OTHER EQUIPMENT:

This antenna is similar to Sperry Model 387.

ELECTROMECHANICAL DESCRIPTION:

Physical Characteristics: The antenna consists of a cover flange, which mates with Connector UG-381/U, and a rectangular horn section. The horn is fabricated of electro-formed copper with a rhodium covered, silver-plated interior.
Power Supply: None.
Frequency Range: 26,500 to 40,000 megacycles per second.
Gain: 15 decibels (approximately).
Voltage Standing Wave Ratio: 1.2 (maximum).
Aperture Size: 3/4 inch x 63/64 inch.
Reflected Power: Less than 1.0%.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.			
PROCUREM'T INFO.:			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, RADC	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.1.1	
- Electronics Test Equipment -			AT-159/U

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

TEST ANTENNA AT-159/U

MANUFACTURERS' OR CONTRACTORS' DATA:
Sperry Gyroscope Company, Division of the Sperry-Rand Corporation, Great Neck, Long Island, New York.

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:
Sperry data sheet No. 23-30-F-1.
Sperry data sheet No. 23-1910, April 1950.

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Test Antenna AT-159/U	rho-dium		1-41/64 long	1-1/8 dia.		1/8

ANTENNA AT-183A/AP

FUNCTIONAL DESCRIPTION:

A streamlined stub type airborne antenna used as a transmitting antenna. It provides for measurement of antenna or transmission line characteristics, conversion gain, and various receiver measurements.

RELATIONSHIP TO OTHER EQUIPMENT:

Similar to Antenna AT-183/AP except mechanically stronger and more resistant to corrosion.

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: Consists of a 9-inch quarter wave plane polarized streamlined stub antenna. Radiating element is 61ST-6 streamlined aluminum tubing. Capable of standing 200 watts (Continuous Wave) over 50,000 feet.

Power Supply: None.

Frequency Range: 190 to 400 megacycles per second.

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	1660-201020793		2A203-183A
PROCUREM'T INFO.: Dwg. No. 50D14133; Spec. MIL-A-7290.			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, ARL	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: .11.1.1	
- Electronics Test Equipment -			AT-183A/AP

is project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

ANTENNA AT-183A/AP

ELECTROMECHANICAL DESCRIPTION: (Continued)
Impedance: 50 ohms.
Voltage Standing Wave Ratio: 2 to 1.
Type of Connector: LN.

MANUFACTURERS' OR CONTRACTORS' DATA:
Phaostron Company, 151 Pasadena Avenue, South Pasadena, California; Contract Nos. AF 33(038)2190, AF 33(038)17952, 15 January 1951; Approximate Cost per Unit, $13.50.

Michigan Brass Company, Grand Haven, Michigan; Contract No. AF 33(038)26492, 10 June 1952; Approximate Cost per Unit, $14.50.

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:

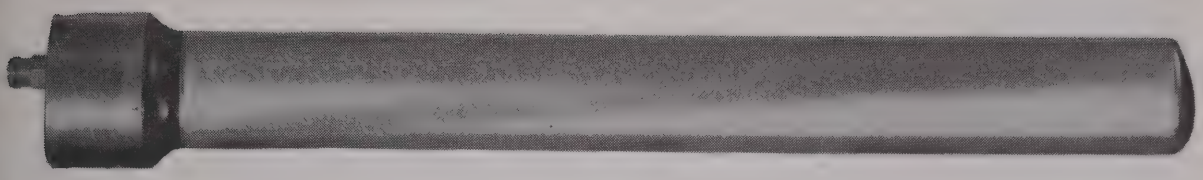
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	
1	12 each Antenna, AT-183A/AP (Domestic Packed)	3.31	31-1/2	14	13	90

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Antenna AT-183A/AP (Complete)	Aluminum	1660-201020793 2A203-183A	13-3/4	2-7/10	1-7/50	2

ANTENNA AT-190A/AP



FUNCTIONAL DESCRIPTION:

A streamlined stub type airborne antenna used as a transmitting antenna. It provides for measurement of antenna or transmission line characteristics, conversion gain, and various receiver measurements.

RELATIONSHIP TO OTHER EQUIPMENT:

Similar to AT-190/AP except mechanically stronger and more resistant to corrosion.

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: Quarter wave vertically polarized stub antenna with series and shunt matching sections. Radiating element is 61S-T6 streamlined aluminum tubing 24 inches long. Capable of withstanding 200 watts (Continuous Wave) at 50,000 feet.

Power Supply: None.

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	1660-201018100		
PROCUREM'T INFO.: USAF Dwg. No. 50D14161, Spec. MIL-A-7292.			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, ARL	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.1.1	
- Electronics Test Equipment -			AT-190A/AP

s project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

ANTENNA AT-190A/AP

ELECTROMECHANICAL DESCRIPTION: (Continued)
Frequency Range: 88 to 135 megacycles per second.
Impedance: 50 ohms.
Voltage Standing Wave Ratio: 2 to 1 maximum.
Type of Connector: LN.
Temperature Range: -55° C. to +30° C.

MANUFACTURERS' OR CONTRACTORS' DATA:
Phaostron Company, 151 Pasadena Avenue, South Pasadena, California; Contract No. AF 33(038)2190.

Michigan Brass Company, Grand Haven, Michigan; Contract No.AF 33(038)26429 dated 29 June 1951; Approximate Cost per Unit, $14.25.

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:

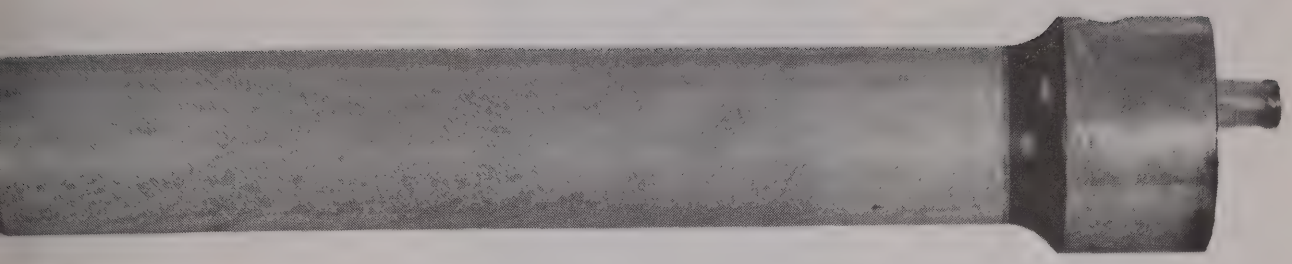
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	
1	12 each Antenna AT-190A/AP (Domestic Packed)	2.03	30	13	9	60

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Antenna AT-190A/AP (Complete)		1660-201018100	28	3-1/2	2	4.25

ANTENNA AT-191A/AP



UNCTIONAL DESCRIPTION:

An airborne receiving and transmitting antenna which provides for measurement f antenna or transmission line characteristics, conversion gain, and various re-eiver measurements.

ELATIONSHIP TO OTHER EQUIPMENT:

Similar to Antenna AT-171/AP except mechanically stronger and more resistant corrosion. Used in conjunction with Receiving Equipment AN/APR-4.

LECTROMECHANICAL DESCRIPTION:

ircuit Information: Consists of a 15-inch quarter wave vertically polarized streamlined stub antenna with series and shunt matching sections. Radiating element is streamlined tubing of 61ST-6 aluminum alloy. Capable of standing 200 watts (Continuous Wave) at altitudes over 50,000 feet.

ower Supply: None.

requency Range: 130 to 230 megacycles per second.

npedance: 50 ohms.

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	1660-201020611		
PROCUREM'T INFO.: USAF Dwg. 50D14164, Spec. MIL-A-7291, 18 February 1952			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, ARL	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.1.1	
- Electronics Test Equipment -			AT-191A/AP

s project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

ANTENNA AT-191A/AP

ELECTROMECHANICAL DESCRIPTION: (Continued)
Voltage Standing Wave Ratio: 2 to 1.
Type of Connector: LN.
Temperature Range: -55° C. to +30° C.

MANUFACTURERS' OR CONTRACTORS' DATA:
Phaostron Corporation, 151 Pasadena Avenue, South Pasadena, California; Contract No. AF 33(038)2190.
Michigan Brass Company, Grand Haven, Michigan; Contract No.AF 33(038)26492, 10 June 1952; Approximate Cost per Unit, $12.00.

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:
TO 16-30APR4-2 (Operating Instructions for AN/APR-4).
TO 16-30APR4-3 (Maintenance Instructions for AN/APR-4).

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Antenna AT-191A/AP (Complete)		1660-201020611	19	2-7/10	1-2/5	2.812

ANTENNA AT-219/APR-9

FUNCTIONAL DESCRIPTION:

A cavity type, airborne antenna used as a transmitting antenna. It provides for measurement of antenna or transmission line characteristics, conversion gain, and various receiver measurements.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: Three separate receiving elements incorporated in a single cavity. Each element covers a portion of the overall frequency range. The individual elements are linearly polarized with two elements consisting of an inverted cone mounted on a wedge-shaped cavity, one side of which forms the radiating aperture. The remaining element is an open-ended waveguide slot, mounted on a conducting surface with its polarization normal to the surface.

Power Supply: None.

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	1660-201020805		
PROCUREM'T INFO.: USAF Dwg. 50D13394A; Spec. MIL-A-7272, 26 November 51.			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, ARL	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.1.1	
- Electronics Test Equipment -			AT-219/APR-9

s project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

ANTENNA AT-219/APR-9

ELECTROMECHANICAL DESCRIPTION: (Continued)

Frequency Range: 1000 to 10,750 megacycles per second in 3 stages; 1000 to 2600 megacycles per second, 2600 to 4450 megacycles per second; 4150 to 10,750 megacycles per second.

Voltage Standing Wave Ratio: Less than 5 to 1.

Type of Connectors: N.

MANUFACTURERS' OR CONTRACTORS' DATA:

Michigan Brass Company, Grand Haven, Michigan; Contract No. AF 33(038)20272, 14 May 1952; Approximate Cost per Unit, $22.00.

Airborne Instruments Laboratories, Inc., 160 Old Country Road, Mineola, New York; Contract No. W33-038ac-20040.

TUBE COMPLEMENT:

None.

REFERENCE DATA AND LITERATURE:

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Antenna AT-219/APR-9 (Complete)		1660-201020805	9	7-3/4	3-3/4	3.5

TEST ANTENNA TS-129/UP

UNCTIONAL DESCRIPTION:

A small, general purpose, dipole type antenna designed to transmit or receive adio frequency signals. An adjustable double-ended clamp is provided for holding ne antenna to a convenient mounting. The antenna is arranged with a 50 ohm type N" jack on one end for connecting purposes.

ELATIONSHIP TO OTHER EQUIPMENT:

Similar to Western Electric Model X-66166D.

LECTROMECHANICAL DESCRIPTION:

ower Supply: None.
requency Range: 950 to 1350 megacycles per second.
nput Impedance: 50 ohms.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.	Standard		
STOCK NOS.	7CAC-045805		3F4325-129
PROCUREM'T INFO.: Navy Spec. OS-3087			
PROCUREM'T COG.: Navy		DESIGN COG.: Navy, BuShips	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.1.1	
- Electronics Test Equipment -			TS-129/UP

project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

TEST ANTENNA TS-129/UP

MANUFACTURERS' OR CONTRACTORS' DATA:

Western Electric Company, Inc., 120 Broadway, New York 15, New York; Navy Contract NOrd-3456; Western Electric Dwg. BO-405407; Approximate Cost per Unit, $410.00.

TUBE COMPLEMENT:

None.

REFERENCE DATA AND LITERATURE:

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Test Antenna TS-129/UP		7CAC-045805 3F4325-129	5-5/8	1 dia.		0.375
1	Clamp			8 long			0.406

TEST ANTENNA TS-210/MPM

UNCTIONAL DESCRIPTION:

A general purpose test antenna which is used as a substitute for the radiating lement during alignment of IFF equipment.

ELATIONSHIP TO OTHER EQUIPMENT:

Used in conjunction with Adapter M-358 and Dummy Antenna TS-208/MPM in lignment of IFF equipment.

LECTROMECHANICAL DESCRIPTION:

ircuit Information: This antenna consists of Adapter M-359 with cap, and a 4" silver plated steel rod with a phenolic knob 5/16" in diameter cemented on one end; the other end of the rod goes through a hole drilled in the cap and is soldered to the center conductor of the adapter.

ower Supply: None required.

requency Range: 157 to 187 megacycles per second.

nput Impedance: 50 ohms.

(Continued)

	AIR FORCE	NAVY	ARMY
YPE CLASS.			
TOCK NOS.	7CAC-801319-64		3F4325-210
PROCUREM'T INFO.: Army dwg. SC-B-12009			
PROCUREM'T COG.: Army		DESIGN COG.: Army, ESL	
.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.1.1	
- Electronics Test Equipment -			TS-210/MPM

project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

TEST ANTENNA TS-210/MPM

MANUFACTURERS' OR CONTRACTORS' DATA:
Belmont Radio Corporation, 5921 West Dickens Ave., Chicago 39, Illinois; Approximate Cost per Unit, $3.50, May 1953.

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:
TM 11-1308 (Technical Operation of RC-182-A and RC-282-A).

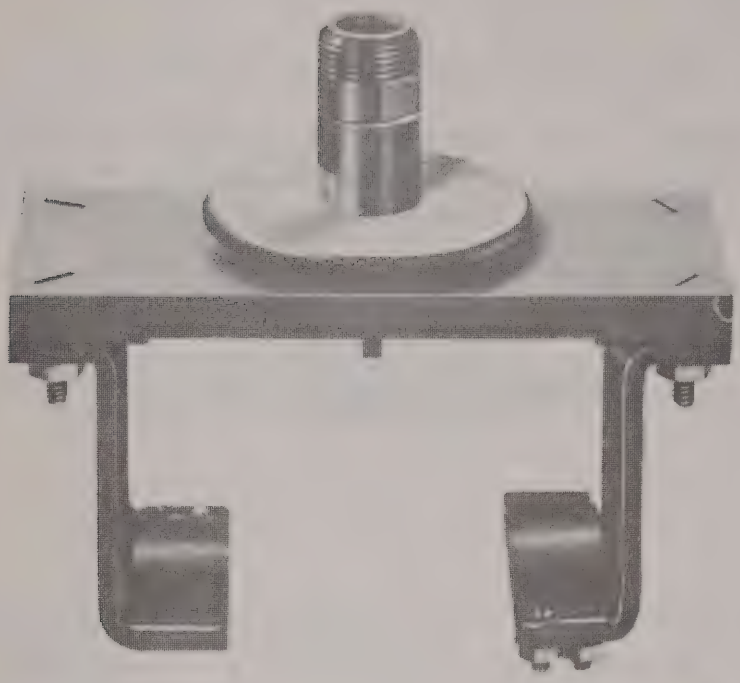
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Test Antenna TS-210/MPM		7CAC-801319-64 3F4325-210	1/2	1-1/4	4	0.4

PROBE ANTENNA AT-88/U



FUNCTIONAL DESCRIPTION:

A portable, general purpose device, used for removing a small amount of radio frequency energy from slotted waveguide sections for making standing wave measurements. It is used in field and depot testing radio and radar equipment. An indicator is not provided, but provision is made for attachment of a power meter.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: This probe antenna clamps to a 1-1/2" x 3" waveguide section, which is attached to the output of the system being tested, in such a way that the probe fits into the slotted portion of the waveguide. The probe depth may be adjusted in order to increase or decrease the amount of energy received. RF energy is taken from the waveguide and transmitted through the probe and a cable assembly to an indicating meter. Maximum and minimum readings are made as the

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	7CMD-SC-D13972		3F3988-88
PROCUREM'T INFO.: Army Dwg. SC-D-13972; USAF Dwg. 45D50453			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, Rome	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.1.2	
- Electronics Test Equipment -			AT-88/U

project was supported by the USAF on Contract AF 33(600)-8476 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

PROBE ANTENNA AT-88/U

ELECTROMECHANICAL DESCRIPTION: (Continued)
probe antenna is moved along the slotted section; from this information, the standing wave ratio is obtained.
Power Supply: None.
Frequency Range: 1550 to 5200 megacycles per second.

MANUFACTURERS' OR CONTRACTORS' DATA:
Kaybe Manufacturing Company, 774 Lexington Avenue, Brooklyn, New York; Contract No. AF-7350; Approximate Cost per Unit, $26.00.

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:

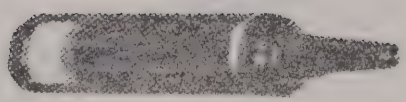
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Probe Antenna AT-88/U		7CMD-SC-D13972 3F3988-88	3-1/2	4-1/2	1-15/16	1.5

VOLTAGE INDICATOR PROBE ID-265/U



FUNCTIONAL DESCRIPTION:

A portable, general purpose unit used to indicate the presence of and measure AC or DC voltages. The probe is also used to indicate the polarity of DC voltages. The unit is used in testing and repairing electrical and electronic equipment. Results are indicated by two meters located in the housing.

RELATIONSHIP TO OTHER EQUIPMENT:

The ID-265/U is a major unit of the Test-Tool Set AN/USM-3 which is used for emergency test and repair of electrical and electronic equipment.

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: The indicator probe consists of two electrical indicating meters, a crystal rectifier, and a fixed resistor. During DC measurements, the polarity of the probe is indicated.

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.			
PROCUREM'T INFO.:			
PROCUREM'T COG.: Navy		DESIGN COG.: Navy, BuShips	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.1, 2	
- Electronics Test Equipment -			ID-265/U

VOLTAGE INDICATOR PROBE ID-265/U

ELECTROMECHANICAL DESCRIPTION: (Continued)
Meter Ranges: 0 to 55, 110, 220, 440 volts AC or DC.
Frequency Range: DC, 10 to 10,000 cycles per second.
Input Impedance; 500,000 ohms.

MANUFACTURERS' OR CONTRACTORS' DATA:
Radio Frequency Laboratories, Inc., Powerville Road, Boonton 7, New Jersey; Contract No. NObsr 42100.

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:
Catalog of Navy Material.
NavShips 900 155, Vol. II.

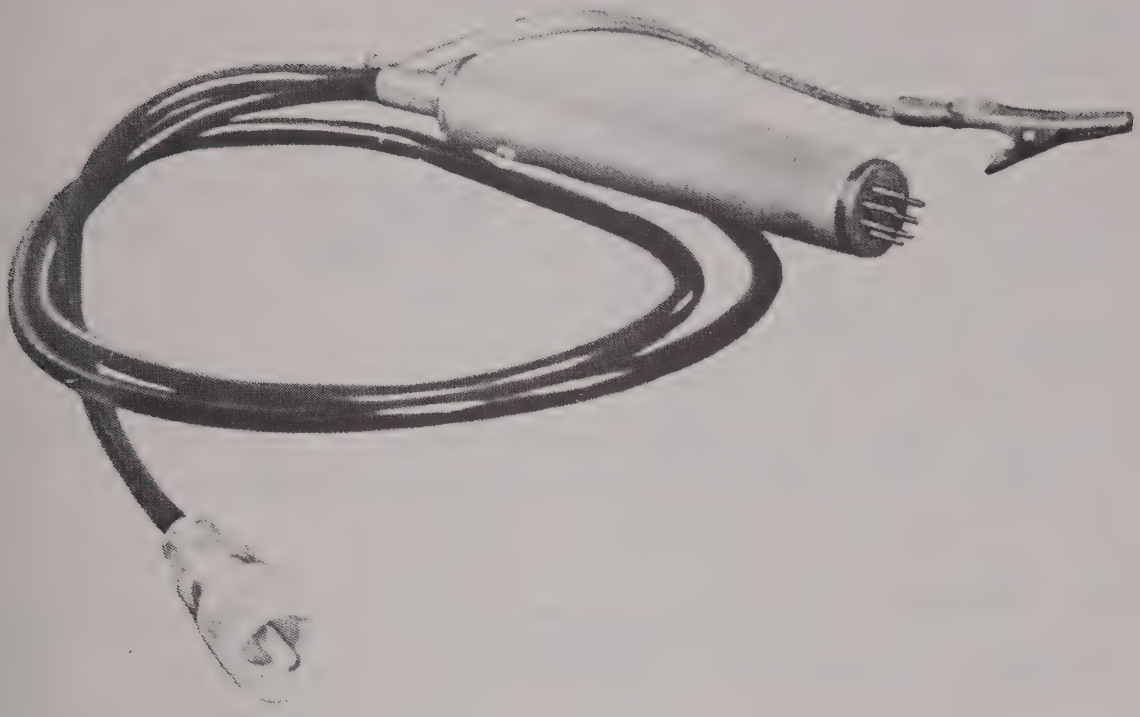
EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Voltage Indicator Probe ID-265/U	phe-nolic		6	1 dia.		

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	
	Voltage Indicator Probe ID-265/U					

RF PROBE MX-925/U
(PROBE, WAVEGUIDE, MX-925/U)



UNCTIONAL DESCRIPTION:

A portable, special purpose traveling detector type radio frequency probe, used aligning intermediate frequency strips which use tubes similar to JAN-6AK5. It used in organizational, field, and depot testing.

ELATIONSHIP TO OTHER EQUIPMENT:

Used in testing Radar Set AN/CPS-6B.

LECTROMECHANICAL DESCRIPTION:

rcuit Information: This probe is made of an aluminum cylinder within which a detector is assembled. One end has a 7-pin miniature tube socket adapter and the other end is terminated in a length of video cable with a plug attached. A grounding strap and clip are provided. The probe mounts in a tube socket. It receives a modulated signal, a germanium crystal diode detects it, and the video cable applies it to a test oscilloscope for observation.

wer Supply: None.

(Continued)

	AIR FORCE	NAVY	ARMY
YPE CLASS.			
TOCK NOS.	7CGE-MI-7403540		
ROCUREM'T INFO.: USAF Exhibit WLENG-108A			
ROCUREM'T COG.: USAF		DESIGN COG.: USAF, Rome	
.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.1.2	
- Electronics Test Equipment -			MX-925/U

project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

RF PROBE MX-925/U
(PROBE, WAVEGUIDE, MX-925/U)

ELECTROMECHANICAL DESCRIPTION: (Continued)
Frequency Range: 10 to 50 megacycles per second.
Voltage Rating: 50 volts, AC, maximum.
Current Rating: 20 milliamperes, AC, maximum.

MANUFACTURERS' OR CONTRACTORS' DATA:
General Electric Company, Electronics Park, Schenectady, New York; Part and Drawing No. M-7403540; USAF Contract No. W 33-038-ac-16195; Approximate Cost per Unit, $80.00.

TUBE COMPLEMENT:
1 JAN-1N69 (Crystal).

REFERENCE DATA AND LITERATURE:
TO 16-30CPS6-7 (Maintenance Instructions for AN/CPS-6B).

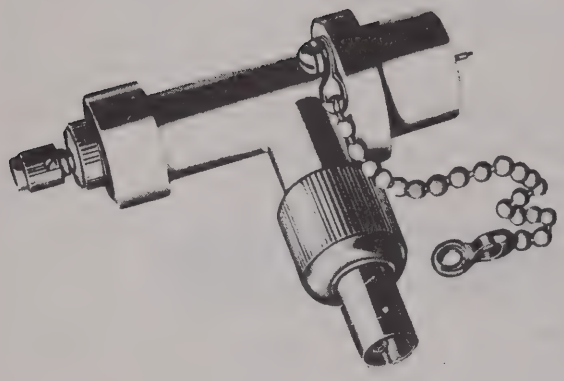
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	RF Probe MX-925/U Including:	Alum-inum	7CGE-MI-7403540	52-1/2 long	5/8 dia.		2
1	Cable RG-58/U			48 long			
1	Connector UG-88/U						

RF PROBE MX-929/U



UNCTIONAL DESCRIPTION:

A portable, general purpose radio frequency probe, used in investigating radio requency field distribution along a transmission line. It is used in field and depot esting of radar equipment.

ELATIONSHIP TO OTHER EQUIPMENT:

This probe is used with Slotted Line IM-23/U.

LECTROMECHANICAL DESCRIPTION:

ircuit Information: This probe contains a crystal and/or bolometer adapter and a probe depth knob. Its mounting has a 3/16" slot at the base of the probe. When the probe is inserted into the carriage of the slotted line, a set screw from the carriage fits into the slot and holds the probe rigid. Radio frequency energy is received from the slotted line and transmitted through the probe to a crystal or bolometer, then to an amplifier with indicating meter.

ower Supply: None.

requency Range: 2600 to 3950 megacycles per second.

	AIR FORCE	NAVY	ARMY
YPE CLASS.			
TOCK NOS.	7CAC-657325		3F3703-23
PROCUREM'T INFO.:	USAF Dwg. 50C54722, dated 14 January 1948		
PROCUREM'T COG.:	USAF	DESIGN COG.: USAF, Rome	
.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.1.2	
	- Electronics Test Equipment -		MX-929/U

project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

RF PROBE MX-929/U

MANUFACTURERS' OR CONTRACTORS' DATA:

Polytechnic Research and Development Corporation, Brooklyn, New York; PR&D Dwg. No. 669; USAF Contract No. W33-038-ac-16195, E.O. No. 185-15.

Kings Electronics Company, Inc., Tuckahoe, New York; Contract No. AF 33(038) 25090, dated 9 May 1951; Approximate Cost per Unit, $55.00.

TUBE COMPLEMENT:

None.

REFERENCE DATA AND LITERATURE:

TO 16-35MX929-1 (Operation Instructions).
TO 16-35MX929-2 (Service Instructions).
TO 16-35MX929-3 (Overhaul Instructions).
TO 16-35MX929-4 (Parts Catalog).
TO 16-35MX929-11 (Operating Instructions).
TO 16-35MX929-12 (Service Instructions).
TO 16-35MX929-13 (Overhaul Instructions).
TO 16-35MX929-14 (Parts Breakdown).

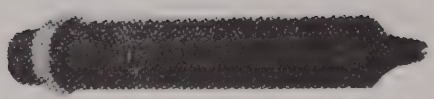
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	RF Probe MX-929/U	Chrome plated brass	7CAC-657325 3F3703-23	3-3/32	2-1/2	1 OD	0.5

TEST PROD MX-933/U



FUNCTIONAL DESCRIPTION:

A portable, general purpose device used to trace audio or pulse signals. The test prod is used with Signal Tracer TS-673/U for general maintenance and repair work. The test prod and signal tracer can be used as an audio amplifier to increase the sensitivity of oscilloscopes and electronic voltmeters. Results are indicated on the signal tracer.

RELATIONSHIP TO OTHER EQUIPMENT:

The MX-933/U is a part of Test-Tool Set AN/USM-3, 3A.

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: The prod consists basically of a connector, a receptacle, and a fixed capacitor. The capacitor is of the paper-dielectric type with two axial wire leads.

Power Supply: None.

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.			
PROCUREM'T INFO.:			
PROCUREM'T COG.: Navy		DESIGN COG.: Navy, BuShips	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.1.2	
	- Electronics Test Equipment -	MX-933/U	

TEST PROD MX-933/U

ELECTROMECHANICAL DESCRIPTION: (Continued)

Maximum AF Signal: 100 volts.
Direct Voltage Rating: 400 volts.
Input Resistance: 1 megohm.
Input Capacitance: 0.0001 microfarad ±10%.

MANUFACTURERS' OR CONTRACTORS' DATA:

TUBE COMPLEMENT:

None.

REFERENCE DATA AND LITERATURE:

NavShips 91688.

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Test Prod MX-933/U	phe-nolic		4	3/4 dia.		

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	
	Test Prod MX-933/U					

TEST PROD MX-934/U

FUNCTIONAL DESCRIPTION:

A portable, general purpose instrument used to detect audio-modulated signals in the radio frequency range. Test results are indicated on a signal tracer.

RELATIONSHIP TO OTHER EQUIPMENT:

The test prod is used with Signal Tracer TS-673/U and both are major units of Test-Tool Set AN/USM-3, 3A.

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: The prod consists basically of three fixed capacitors, a crystal rectifier and a fixed resistor. The prod is used to detect RF signals which are then fed to the variable gain amplifier of the signal tracer and amplified.
Power Supply: None.
Frequency Range: 15 kilocycles per second to 400 megacycles per second.
Maximum RF Signal: 20 volts.
Direct Voltage Rating: 400 volts.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.			
PROCUREM'T INFO.:			
PROCUREM'T COG.: Navy		DESIGN COG.: Navy, BuShips	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.1.2	
- Electronics Test Equipment -			MX-934/U

TEST PROD MX-934/U

MANUFACTURERS' OR CONTRACTORS' DATA:

Radio Frequency Laboratories, Inc., Boonton, New Jersey; Contract No. NObsr 42100.

TUBE COMPLEMENT:

None

REFERENCE DATA AND LITERATURE:

NavShips 91688.
SC Form 567.

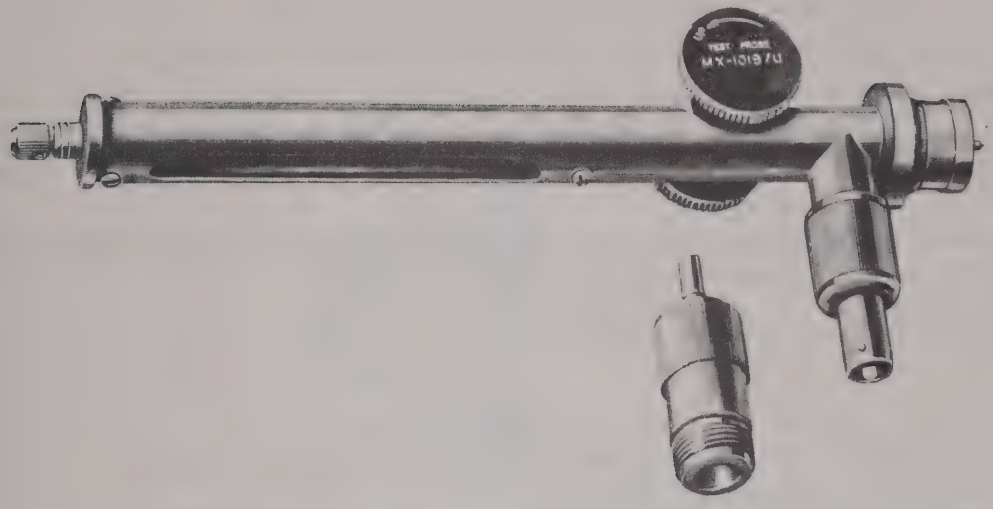
EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Test Prod MX-934/U	phe-nolic		4	13/16 dia.		

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	
	Test Prod, MX-934/U					

RF PROBE MX-1019/U



UNCTIONAL DESCRIPTION:

A portable, general purpose radio frequency probe, used in investigating radio equency field distributions along the slotted sections of transmission lines and to etermine the voltage standing wave ratio of an electric field within a line. It is sed in field and depot testing of radar equipment.

ELATIONSHIP TO OTHER EQUIPMENT:

This equipment is part of Radar Set AN/UPM-24.

LECTROMECHANICAL DESCRIPTION:

ircuit Information: This probe is of special, all metal construction. The video adapter terminates in a "BNC" type connector. The radio frequency adapter terminates in an N type connector. Radio frequency energy is received from a slotted line and transmitted through the probe to a bolometer, crystal, or RF adapter. The probe mounts into the carriage of a slotted section and is held rigid by a set screw.

ower Supply: None required.

requency Range: 900 to 12,400 megacycles per second (tunable).

mpedance: 50 ohms.

oupling Loss: Not more than 25 decibels when voltage standing wave ratio produced is 1.05.

emperature Range: -54° C. to +71° C. (operational). (Continued)

	AIR FORCE	NAVY	ARMY
YPE CLASS.			
STOCK NOS.	7CAC-657350		3F3703-3
PROCUREM'T INFO.: USAF Spec. MIL-R-4105A, 8 May 1953; Dwg. 51D55030			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, Rome	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.1.2	
- Electronics Test Equipment -			MX-1019/U

Project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U.S.A.

RF PROBE MX-1019/U

ELECTROMECHANICAL DESCRIPTION: (Continued)
Humidity Range: Up to 100% relative at temperatures up to +50° C.
Altitude Range: Sea level to 10,000 feet, operational.
Sea level to 50,000 feet, non-operational.

MANUFACTURERS' OR CONTRACTORS' DATA:
Central Research Laboratories, Inc., Red Wing, Minnesota; USAF Contract No. AF 33(038)26222, 24 May 1951; Approximate Cost per Unit, $152.00, 8 January 1952.
Kings Electronics Company, Inc., Tuckahoe, New York; USAF Contract No. AF 33(038)14173, 27 June 1950.
Wac Engineering Company, 35 South St. Clair Street, Dayton, Ohio; Contract No. AF 33(604)6320; Approximate Cost per Unit, $152.31.

TUBE COMPLEMENT:
1N23 (Rectifier).

REFERENCE DATA AND LITERATURE:
TO 16-35MX1019-2 (Operation and Maintenance Instructions).
TO 16-35MX1019-4 (Parts Catalog).
TO 16-35MX1019-12 (Service Instructions).
TO 16-35MX1019-14 (Illustrated Parts Breakdown).

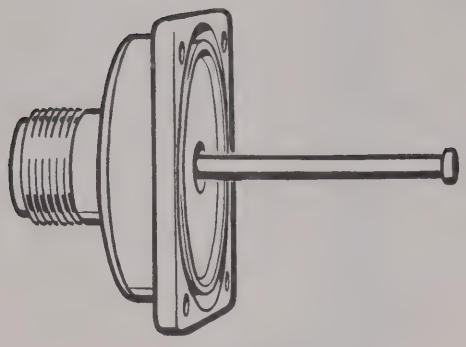
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	RF Probe MX-1019/U Including:	Chrome plated brass	7CAC-657350 3F3703-3	2	7-3/4	1-3/8	0.5
1	Crystal-Bolometer Adapter 415-K-006						
1	RF Adapter 415-K-009						
1	Safety Spacer 415-K-122-1						
2	Safety Spacer 415-K-122-2						

WAVEGUIDE PROBE TS-353A/UP
(PROBE, WAVEGUIDE, TS-353A/UP)



UNCTIONAL DESCRIPTION:

A portable, general purpose, waveguide probe used to transmit the output of a gnal generator into the waveguide of a radar set for automatic frequency control ignment. It is used in field and depot testing of radar equipment.

ELATIONSHIP TO OTHER EQUIPMENT:

LECTROMECHANICAL DESCRIPTION:

ircuit Information: This probe consists of a cover plate with a type N jack and a brass rod soldered to the center conductor of the jack. The jack connects to the signal generator output and the brass rod is inserted into the waveguide of the radar set to transmit generated RF energy.

ower Supply: None.

requency Range: 8990 to 9170 megacycles per second.

npedance: 50 ohms.

emperature Range: -40° C. to +120° C. (operational).

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	7CZR-SG5227		3F4325-353A
PROCUREM'T INFO.:	USAF Spec. No. R-7400		
PROCUREM'T COG.:	USAF	DESIGN COG.: USAF, Rome	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.1.2	
	- Electronics Test Equipment -		TS-353A/UP

project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

WAVEGUIDE PROBE TS-353A/UP
(PROBE, WAVEGUIDE, TS-353A/UP)

MANUFACTURERS' OR CONTRACTORS' DATA:

Wac Engineering Company, 35 South St. Clair Street, Dayton, Ohio; Contract No. AF 33(600)20707, 26 June 1952; Approximate Cost per Unit, $25.90.

Zenith Radio Corporation, 6001 Dickens Avenue, Chicago 38, Illinois; Order No. 5000-DAY-GR, Zenith Dwg. No. SG-5227; Approximate Cost per Unit, $35.00.

TUBE COMPLEMENT:

None.

REFERENCE DATA AND LITERATURE:

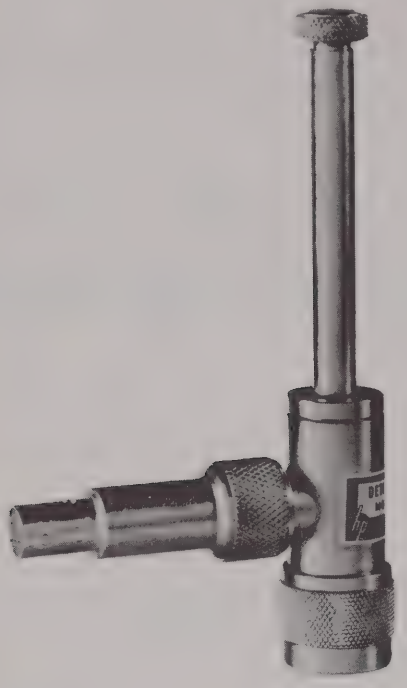
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Waveguide Probe TS-353A/UP		7CZR-SG5227 3F4325-353A	2	1-3/4	1-3/4	2.75

DETECTOR MOUNT
(MOUNT, DETECTOR)
Model No. 440A
(Hewlett-Packard Company)



FUNCTIONAL DESCRIPTION:

A portable, general purpose mount for use in detecting RF energy in coaxial and slotted waveguide systems. The mount may be used with either silicon crystals or bolometers. When detecting RF energy in slotted waveguide sections, the Hewlett-Packard Model 442B Broadband Probe must be used with the mount.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: The detector mount will operate with either 1N21 or 1N23 silicon crystal, a 1/100-ampere instrument fuze, or a Sperry 821 Barretter. The mount contains a built-in RF bypass. The input connector is UG-21B/U type N Plug. A BNC jack is provided for detector output.

Power Supply: None.

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.			
PROCUREM'T INFO.:			
PROCUREM'T COG.:		DESIGN COG.: Commercial	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.1.2	
		- Electronics Test Equipment - Hewlett-Packard 440A	

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

DETECTOR MOUNT
(MOUNT, DETECTOR)
Model No. 440A
(Hewlett-Packard Company)

ELECTROMECHANICAL DESCRIPTION: (Continued)
Frequency Range: 2400 to 12,400 megacycles per second.
Tuning: Single stub.

MANUFACTURERS' OR CONTRACTORS' DATA:
Hewlett-Packard Company, 275 Page Mill Road, Palo Alto, California; Approximate Cost per Unit, $85.00.

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:
Hewlett-Packard data sheet.

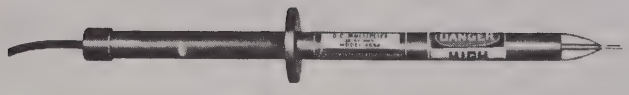
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	
1	Detector Mount (Hewlett-Packard 440A)	0.032	2	6-3/4	4	1

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Detector Mount (Hewlett-Packard 440A)			3/4	4-3/4	2-3/4	1/2

HIGH VOLTAGE PROBE
(DC Resistive Voltage Multiplier) MODEL No. 459A
(Hewlett-Packard Company)



UNCTIONAL DESCRIPTION:

A portable, special purpose, high voltage test probe used as a multiplier to extend the DC voltage range of Hewlett-Packard Company Model 410A Vacuum Tube Voltmeter or the ME-26/U Multimeter when checking cathode ray tube voltages in the testing of Radio Receiving Set AN/AXR-8.

ELATIONSHIP TO OTHER EQUIPMENT:

LECTROMECHANICAL DESCRIPTION:

wer Supply: None.
ultiplication Ratio: 100 to 1.
out Impedance: 12,000 megohms.
aximum Voltage: 30 kilovolts.
aximum Current Drain: 2.5 microamperes.
curacy: ±5%.

	AIR FORCE	NAVY	ARMY
YPE CLASS.			
TOCK NOS.	7CAC-657750		
ROCUREM'T INFO.:			
ROCUREM'T COG.:		DESIGN COG.: Commercial	
.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.1.2	
		- Electronics Test Equipment - Hewlett-Packard 459A	

roject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

HIGH VOLTAGE PROBE
(DC Resistive Voltage Multiplier) MODEL No. 459A
(Hewlett-Packard Company)

MANUFACTURERS' OR CONTRACTORS' DATA:

Hewlett-Packard Company, 395 Page Mill Road, Palo Alto, California; Approximate Cost per Unit, $20.00, September 1952.

TUBE COMPLEMENT:

None.

REFERENCE DATA AND LITERATURE:

Manufacturer's Catalog 21-A, 1952.

Hewlett-Packard Journal, Volume 2, No. 3, November 1950.

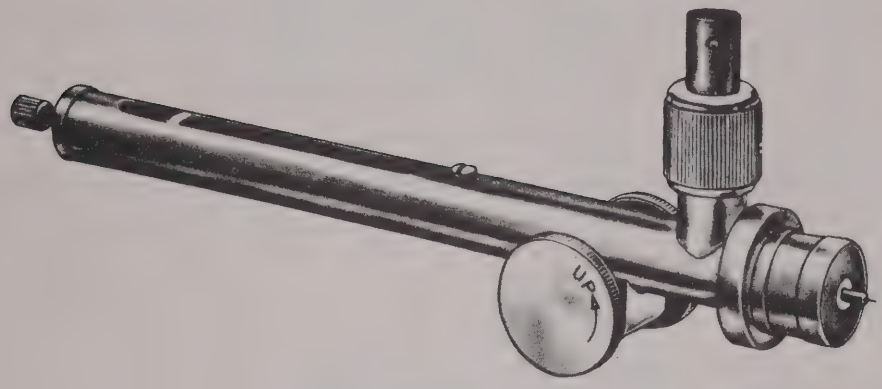
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	High Voltage Probe Model No. 459A		7CAC-657750	14-1/2 long	2 dia.		0.50

RF PROBE
TYPE NO. 250-A
(Polytechnic Research and Development Company)



UNCTIONAL DESCRIPTION:
A portable, general purpose, radio frequency probe used in the investigation of dio frequency field distributions along the slotted sections of transmission lines d to determine the voltage standing wave ratio of an electric field within a line. It ntains two tuning controls whose adjustment enables power transfer from the probe to the detector. Another knob, located at the top of the probe, adjusts the depth the probe tip insertion. It is used in field and depot testing of radar equipments.

ELATIONSHIP TO OTHER EQUIPMENT:
Similar to RF Probe MX-1019/U except the glass and dielective components in e MX-1019/U have been replaced by metal in the type 250-A. Used to test Radar ts AN/FPS-3 and AN/MPS-7.

LECTROMECHANICAL DESCRIPTION:
rcuit Information: It employs three coaxial cylinders which act as two coaxial-line pairs in series. Either a crystal or a bolometer is used for radio frequency detection, and are interchangeable in the same holder. The output of the detector is equipped with a BNC female connector; for radio frequency measurements, an RF adapter with an N type connector may be used.
wer Supply: None.
requency Range: 1000 to 12,400 megacycles per second.

(Continued)

	AIR FORCE	NAVY	ARMY
YPE CLASS.			
TOCK NOS.	7CAC-657540		
ROCUREM'T INFO.:			
ROCUREM'T COG.:		DESIGN COG.: Commercial	
.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.1.2	
- Electronics Test Equipment - Polytechnic R&D 250-A			

roject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

RF PROBE
TYPE NO. 250-A
(Polytechnic Research and Development Company)

ELECTROMECHANICAL DESCRIPTION: (Continued)

Impedance: 50 ohms.

Coupling Loss: Not more than 25 decibels when the VSWR produced is 1.05.

Temperature Range: -54° C. to +71° C. (operational).

Humidity Range: Up to 100% relative at temperatures from -50° C. to +50° C.

Altitude Range: Sea Level to 10,000 feet (operational).
Sea Level to 50,000 feet (non-operational).

MANUFACTURERS' OR CONTRACTORS' DATA:

Polytechnic Research and Development Company, Inc., 202 Tillary Street, Brooklyn 1, New York; Approximate Cost per Unit, $255.00, 22 September 1950.

TUBE COMPLEMENT:

1 JAN-1N23 (Rectifier).

REFERENCE DATA AND LITERATURE:

Manufacturer's Catalog, "Precision Test Equipment."

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

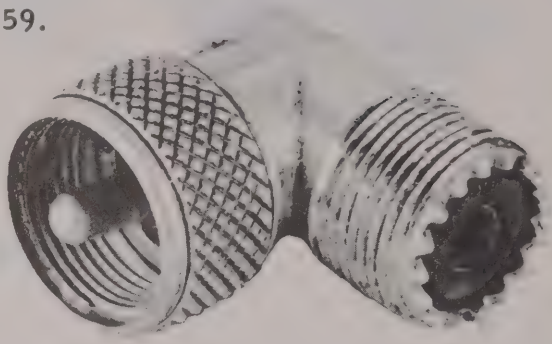
EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	RF Probe Type No. 250-A	Chrome plated brass	7CAC-657540	2	7-3/4	1-3/8	0.5
1	Bolometer Type 610A						

11.2 TRANSMISSION LINE EQUIPMENT

ADAPTER M-359

FUNCTIONAL DESCRIPTION:
An RF, high conductivity, adapter assembly used to couple Socket SO-239 to Plug 259.



RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:
Frequency Range: Up to 200 megacycles per second.
Impedance: Non-constant.
Temperature: Moderate.
Weatherproof: No.
Pressurized: No.
Shape: Cylindrical.
Material: Silver-plated zinc.
Insert: Polystyrene.
Contacts: One round male contact on one end, female contact on other end.
Type: Right angle.
Dimensions: 1-7/32" long x 1-3/16" wide x 3/4" diameter.

MANUFACTURERS' OR CONTRACTORS' DATA:
American Phenolic Corporation, Chicago 50, Illinois; Amphenol No. 83-1AP.

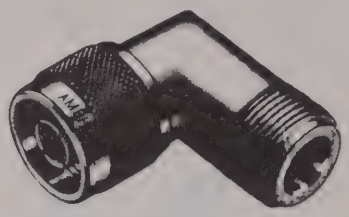
STOCK NOS: (USAF) 8850-107800	
PROCUREM'T INFO: SigC Dwg. SC-D-5890; AN RFCCC Dwg. RE-49F168	
COGNIZANCE: Army, SigC	FUNCTIONAL CLASS. NO.: 11.2.1
- Electronics Test Equipment -	M-359

roject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

RADIO FREQUENCY ADAPTER UG-27C/U
(ADAPTER, CONNECTOR UG-27C/U)

FUNCTIONAL DESCRIPTION:

A type "N" adapter to couple RF Plug UG-21B/U to RF Jack UG-22B/U. Used with type "N" straight plugs for making 90° connections to apparatus.



RELATIONSHIP TO OTHER EQUIPMENT:

Similar to UG-27B/U except improved electrically.

ELECTROMECHANICAL DESCRIPTION:

Frequency Range: 2.39 to 9.9 kilomegacycles per second.
Maximum Voltage: 500 volts.
Impedance: 50 ohms.
Voltage Standing Wave Ratio: 1.41:1.
Temperature: High or low (200° C. maximum).
Weatherproof: Yes.
Pressurized: No.
Shape: Cylindrical.
Material: Silver-plated brass.
Insert: Teflon.
Contacts: 1 male, 1 female, 1 round coaxial contact at each end.
Type: Right angle.
Dimensions: 1.4" x 1.3" x 3/4" diameter.
Weight: 0.125 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

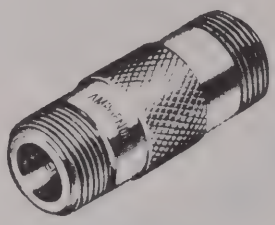
American Phenolic Corporation, Chicago 50, Illinois.
Diamond Manufacturing Corporation, Wakefield, Massachusetts, DICO No. 2291.
Industrial Products Company, Danbury, Connecticut.
Polytechnic Institute of Brooklyn, PIB Dwg. No. B-597-A.

STOCK NOS: (USAF) 8850-108717, (SigC) 2Z7390-27C.	
PROCUREM'T INFO:	Specification MIL-C-71A, Dwg. No. AS-2112 and MS-90156.
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.2.1

RADIO FREQUENCY ADAPTER UG-29B/U
(ADAPTER, CONNECTOR, UG-29B/U)

FUNCTIONAL DESCRIPTION:

A type N adapter to couple two RF Plugs UG-21B/U, or equal, together.



RELATIONSHIP TO OTHER EQUIPMENT:

Similar to UG-29A/U but slightly different in size and suitable for high temperature use.

ELECTROMECHANICAL DESCRIPTION:

Frequency Range: Up to 10,000 megacycles per second.
Maximum Voltage: 500 volts.
Impedance: 50 ohms.
Temperature: High (200° C. maximum).
Weatherproof: Yes.
Pressurized: No.
Shape: Cylindrical.
Material: Silver-plated brass.
Insert: Teflon.
Contacts: 1 round female coaxial contact on each end.
Type: Straight.
Dimensions: 1-3/4" x 31/32" diameter.
Weight: 0.125 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

American Phenol Corporation, Chicago 50, Illinois; Amphenol No. 82-101.

Diamond Manufacturing Corporation, Wakefield, Massachusetts; DICO No. 979.

Industrial Products Company, Danbury, Connecticut; IPC No. 7275; Contract No. NObsr-42075 (Navy).

Kings Electronics, Tuckahoe, New York; Kings No. KN-97-03.

STOCK NOS: (USAF) 8850-108731, (Army) 2Z7390-29B.	
PROCUREM'T INFO: Specification MIL-C-71A. Dwg. No. RE49F258 (Navy)	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.2.1
- Electronics Test Equipment -	UG-29B/U

oject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

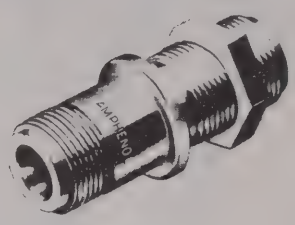
RADIO FREQUENCY JACK UG-30C/U
(CONNECTOR, RECEPTACLE, UG-30C/U)

FUNCTIONAL DESCRIPTION:

Couples two type N RF Plugs UG-21B/U, or equivalent.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing many equipments. Similar to previous models but improved electrically and mechanically.



ELECTROMECHANICAL DESCRIPTION:

Frequency Range: Up to 3500 megacycles per second.
Maximum Voltage: 500 volts.
Impedance: 50 ohms.
Temperature: Moderate.
Weatherproof: Yes.
Pressurized: Yes.
Shape: Cylindrical.
Material: Silver-plated brass.
Insert: Glass to metal.
Contacts: One round female contact on each end, silver-plated.
Type: Straight.
Dimensions: 1-3/4" x 13/16" diameter. (Has a 13/16" flange with gasket and 3/4" mounting nut.)
Weight: 0.107 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

American Phenolic Corporation, Chicago 50, Illinois.

The Astatic Corporation, Conneaut, Ohio; Order No. 974-DAY-44; Approximate Cost per Unit, $1.75.

Diamond Manufacturing Corporation, Wakefield, Massachusetts; DICO No. 2292.

Industrial Products Company, Danbury, Connecticut.

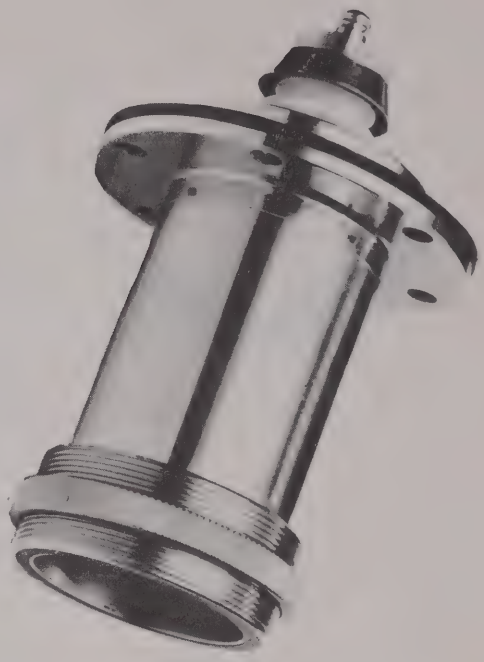
Kings Electronics, Tuckahoe, New York.

Polytechnic Institute of Brooklyn; Dwgs. PIB-591-A, -B, -C, -D, -E; PIB-571-B, -C, -F, -G.

STOCK NOS: (USAF) 8850-103351, (Army) 2Z7390-30C
PROCUREM'T INFO: Dwg. AS-2089 (ASESA)
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.2.1
- Electronics Test Equipment - UG-30C/U

project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

RADIO FREQUENCY RECEPTACLE UG-38A/U



FUNCTIONAL DESCRIPTION:

An oil to air connector for high voltage pulse or DC application for use with Cables such as RG-25/U, RG-26/U, RG-27/U, RG-28/U, and RG-74/U.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/MSQ-1, -2.

Similar to RF Receptacle UG-38/U except the "A" has locking ring and suitable washers in lieu of solder sealing ceramic insert to metallic body.

ELECTROMECHANICAL DESCRIPTION:

Frequency Range: Up to 3000 megacycles per second.
Maximum Voltage: 15,000 volts.
Impedance: Non-constant.
Temperature: Moderate.
Weatherproof: Yes.
Pressurized: Yes.
Shape: Cylindrical.
Material: Nickel-plated brass.
Insert: Ceramic, glazed.
Contacts: One round female coaxial contact.
Type: Straight.
Dimensions: 4-5/8" x 1-3/4" diameter (2-3/4" diameter mounting flange).
Weight: 1.12 pounds.

MANUFACTURERS' OR CONTRACTORS' DATA:

Industrial Products Company, Danbury, Connecticut; IPC No. 1000.

Diamond Manufacturing Corporation, Wakefield, Massachusetts; DICO No. 931.

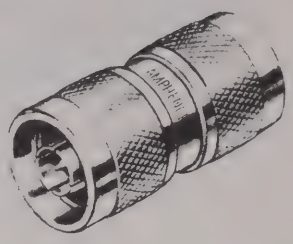
STOCK NOS:	
PROCUREM'T INFO:	Dwg. No. RE49F352 (Navy)
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.2.1
- Electronics Test Equipment -	UG-38A/U

roject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

RADIO FREQUENCY ADAPTER UG-57B/U
(ADAPTER, CONNECTOR UG-57B/U)

FUNCTIONAL DESCRIPTION:

A type "N" adapter to couple two RF Jacks UG-22B/U, or any of the jacks, receptacles, adapters or feed-thru in the type "N" series.



RELATIONSHIP TO OTHER EQUIPMENT:

Similar to UG-57A/U except for high temperature applications, made possible by incorporation of silicon rubber gaskets.

ELECTROMECHANICAL DESCRIPTION:

Frequency Range: Up to 10,000 megacycles per second.
Maximum Voltage: 500 volts.
Impedance: 50 ohms.
Temperature: High (200°C. maximum).
Weatherproof: Yes, when mated with type "N" connectors.
Pressurized: No.
Shape: Cylindrical.
Material: Silver-plated brass.
Insert: Teflon.
Contacts: 1 round coaxial male contact each end, bayonet locking.
Type: Straight.
Dimensions: 1-1/2" x 13/16" diameter.
Weight: 0.125 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

American Phenolic Corporation, Chicago 50, Illinois, Amphenol No. 82-100.

Diamond Manufacturing Corporation, Wakefield, Massachusetts, DICO No. 2003.

Industrial Products Company, Danbury, Connecticut, IPC No. 7175, Order No. NObsr-42075 (Navy).

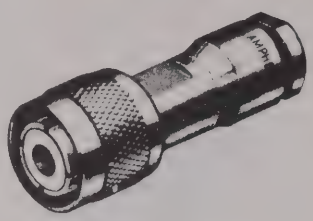
Kings Electronics, Tuckahoe, New York. Contract AF 33(038)27324 dated 3 April 1951; Approximate Cost per Unit, $1.28.

STOCK NOS:	(USAF) 8850-108741, (Sig C) 2Z7390-57B.
PROCUREM'T INFO:	Specification MIL-C-71A. Dwg. No. RE49F558 (Navy).
COGNIZANCE:	USAF, Rome FUNCTIONAL CLASS. NO.: 11.2.1

RADIO FREQUENCY PLUG UG-59B/U

FUNCTIONAL DESCRIPTION:

A type HN connector for use with Cables such as RG-8/U, RG-9/U, and RG-10/U.



RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/ALT-5, AN/MPS-4.

Similar to UG-59A/U except the "B" has an improved cable clamping mechanism and is recommended for high temperature applications and additional creepage path requirements.

ELECTROMECHANICAL DESCRIPTION:

Frequency Range: Up to 3000 megacycles per second.
Maximum Voltage: 5000 volts.
Impedance: 50 ohms.
Temperature: High (200°C. maximum).
Weatherproof: Yes.
Pressurized: Yes.
Shape: Cylindrical.
Material: Silver-plated brass.
Insert: Teflon.
Contacts: Single male contact. (Cable clamp on one end; pin contact and coupling ring on other end)
Type: Straight.
Dimensions: 2-3/8" x 7/8" diameter.
Weight: 0.159 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

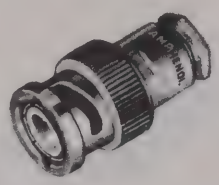
American Phenolic Corporation, Chicago 50, Illinois, Amphenol No. 82-804.
Industrial Products Company, Danbury, Connecticut.
Kings Electronics, Tuckahoe, New York.
Radiation Counter Labs., Melbourne, Florida.
Diamond Manufacturing Corporation, Wakefield, Massachusetts.

STOCK NOS: (USAF) 8850-467585, (Army) 2Z7390-59B.	
PROCUREM'T INFO:	Dwg. AF59B14148; USAF Specification MIL-C-3643.
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.2.1
- Electronics Test Equipment -	UG-59B/U

RADIO FREQUENCY PLUG UG-88C/U
(CONNECTOR RECEPTACLE UG-88C/U)

FUNCTIONAL DESCRIPTION:

A type BNC connector which mates with RF Jack UG-89B/U or UG-291/U. Used with RF Cable RG-58C/U. Used with its mating fitting in electrical coaxial transmission line circuits to facilitate connection and disconnection of equipment.



RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/GRA-8.

Interchangeable with previous models, but improved electrically and mechanically.

ELECTROMECHANICAL DESCRIPTION:

Frequency Range: Up to 3000 megacycles per second.
Maximum Voltage: 500 volts.
Maximum Power: Low.
Impedance: 50 ohms.
Temperature: Moderate.
Weatherproof: Yes.
Pressurized: No.
Shape: Cylindrical.
Material: Silver-plated brass.
Insert: Teflon.
Contacts: One male coaxial contact, bayonet locking.
Type: Straight.
Dimensions: 1-1/16" x 9/16" diameter. (Maximum cable opening is 0.209" diameter)
Weight: 0.030 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

Industrial Products Company, Danbury, Connecticut, IPC No. 85000. Navy Contract NObsr-42201.

Kings Electronics, Tuckahoe, New York.

Workshop Associates, Norwood, Massachusetts.

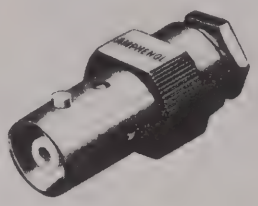
Diamond Manufacturing Corporation, Wakefield, Massachusetts.

American Phenolic Corporation, Chicago 50, Illinois.

STOCK NOS: (Army) 2Z7390-88C.
PROCUREM'T INFO: Dwg. SC-D-72235 (SigC).
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.2.1
- Electronics Test Equipment - UG-88C/U

RADIO FREQUENCY JACK UG-89B/U
(CONNECTOR, RECEPTACLE, UG-89B/U)

FUNCTIONAL DESCRIPTION:
Mates with RF Plug UG-88C/U and RF Cable RG-58C/U. Used with BNC series connectors. Used in electrical coaxial transmission line circuits to facilitate connection and disconnection of equipment.



RELATIONSHIP TO OTHER EQUIPMENT:
Used in testing AN/GRA-8. Interchangeable with previous models, but improved electrically and mechanically.

ELECTROMECHANICAL DESCRIPTION:
Frequency Range: Up to 3000 megacycles per second.
Maximum Voltage: 500 volts.
Maximum Power: Low.
Impedance: 50 ohms.
Temperature: Moderate.
Weatherproof: Yes.
Pressurized: No.
Shape: Cylindrical.
Material: Silver-plated brass.
Insert: Teflon.
Contacts: 1 round female contact, bayonet locking.
Type: Straight.
Dimensions: 1-9/16" x 9/16" diameter. (0.209" diameter maximum cable opening. Shoulder knurled for ease in gripping.)
Weight: 0.029 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:
American Phenolic Corporation, Chicago 50, Illinois.
Diamond Manufacturing Corporation, Wakefield, Massachusetts.
Industrial Products Company, Danbury, Connecticut; IPC No. 86000.
Kings Electronics, Tuckahoe, New York.

STOCK NOS: (Army) 2Z7390-89B	
PROCUREM'T INFO: Dwg. No. SC-D-72262 (SigC)	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.2.1
- Electronics Test Equipment -	UG-89B/U

ject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

ADAPTER UG-179/AP

FUNCTIONAL DESCRIPTION:

Connects a pickup Antenna such as AT-82/UP to a type N Radio Frequency Jack such as UG-22/U.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/GPA-6.

Similar to RF Plug UG-21/U with approximately a 1/8" rod extending from center pin to accommodate the antenna.

ELECTROMECHANICAL DESCRIPTION:

Frequency Range: Up to 3500 megacycles per second.
Maximum Voltage: 500 volts.
Impedance: 50 ohms.
Temperature: Moderate.
Weatherproof: Yes.
Pressurized: No.
Shape: Cylindrical.
Material: Silver-plated brass.
Insert: Teflon.
Contacts: One round male.
Type: Straight.
Dimensions: 1-5/8" x 25/32" diameter (0.437" diameter cable opening).
Weight: 0.125 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

Polytechnic Institute of Brooklyn, Brooklyn, New York.

STOCK NOS: (USAF) 3300-286054549 (Army) 2Z308-179.
PROCUREM'T INFO: Army Specification 371-5087.
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.2.1
- Electronics Test Equipment - UG-179/AP

PLUG UG-180A/U

FUNCTIONAL DESCRIPTION:

A connector for high voltage pulse or DC application for use with rubber dielectric pulse Cables such as RG-64A/U, RG-77/U, RG-78/U, and RG-88/U.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/MSQ-1, -2.

Similar to UG-180/U except the "A" uses improved clamping. It may be used in place of Plugs UG-180/U, UG-229/U, UG-184/U, UG-194/U, and Western Electric high voltage plugs.

ELECTROMECHANICAL DESCRIPTION:

Frequency Range: Up to 3000 megacycles per second.
Maximum Voltage: 5000 volts.
Impedance: 50 ohms.
Temperature: Moderate.
Weatherproof: Yes.
Pressurized: No.
Shape: Cylindrical.
Material: Tin-plated brass.
Insert: Molded neoprene.
Contacts: One coaxial male.
Type: Straight.
Dimensions: 3-1/4" x 1-1/8" diameter.
Weight: 0.375 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

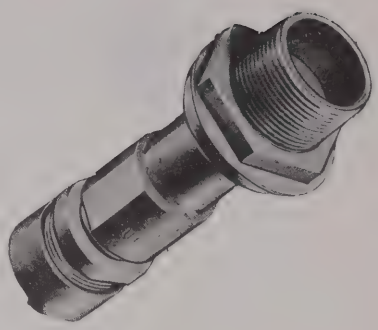
Industrial Products Company, Danbury, Connecticut, IPC No. 5350.
H. H. Buggie and Company, Toledo 4, Ohio. HHB No. C366.

STOCK NOS: (USAF) 8850-468900.	
PROCUREM'T INFO:	Dwg. No. RE49F330 (Navy), Specification MIL-C-3607.
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO. 11.2.1
- Electronics Test Equipment -	UG-180A/U

RECEPTACLE UG-181A/U

FUNCTIONAL DESCRIPTION:

A connector for high voltage pulse or DC application for use with rubber dielectric pulse Cables such as RG-64A/U, RG-77/U, RG-78/U, and RG-88/U.



RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/MSQ-1, -2.

Similar to UG-181/U except the "A" uses improved clamping.

ELECTROMECHANICAL DESCRIPTION:

Frequency Range: Up to 3000 megacycles per second.
Maximum Voltage: 5000 volts.
Impedance: 50 ohms.
Temperature: Moderate.
Weatherproof: Yes.
Pressurized: No.
Shape: Cylindrical.
Material: Tin-plated brass.
Insert: Molded neoprene.
Contacts: One coaxial female.
Type: Straight.
Dimensions: 3-5/8" x 1-5/16" diameter.
Weight: 0.375 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

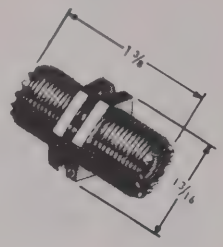
Industrial Products Company, Danbury, Connecticut, IPC No. 5450.
H. H. Buggie and Company, Toledo 4, Ohio. HHB No. C401.

STOCK NOS: (USAF) 8850-669912.	
PROCUREM'T INFO:	Dwg. No. RE49F330 (Navy), Specification MIL-C-3607.
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO. 11.2.1
- Electronics Test Equipment -	UG-181A/U

ADAPTER UG-224/U
(ADAPTER, CONNECTOR UG-224/U)

FUNCTIONAL DESCRIPTION:

Couples two Plugs PL-259-A (Navy Type 49195). It has two 7/8" hex nuts and two lockwashers for mounting through a 5/8" hole in a bulkhead. It is threaded over its entire length.



RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/GRA-8. Similar to Plug PL-274 which is 2" long. Similar to Navy Type 49191 which is 1-1/8" long but is not threaded its full length and does not have hex nuts and washers.

ELECTROMECHANICAL DESCRIPTION:

Frequency Range: Up to 200 megacycles per second.
Maximum Voltage: 500 volts.
Impedance: Non-constant.
Temperature: Moderate.
Weatherproof: No.
Pressurized: No.
Shape: Cylindrical.
Material: Silver-plated brass.
Insert: Polystyrene.
Contacts: One female round coaxial contact on each end.
Type: Straight.
Dimensions: 1-3/8" x 13/16" diameter.
Weight: 0.085 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; Dwg. No. K-62J220.

Hammarlund Manufacturing Company, 460 West 34th Street, New York 1, New York; Dwg. No. 22321.

Industrial Products Company, Danbury, Connecticut; IPC No. 29500.

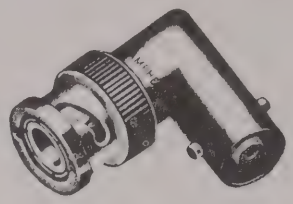
Kings Electronics, 40 Marbledale Road, Tuckahoe 7, New York; Kings No. KU-91-11; Contract AF 33(038)23427, dated 3 April 1950; Approximate Cost per Unit, $2.63.

Selectar Industries, 401 East 138th Street, New York 54, New York; Purchase Order 48-3355; Approximate Cost per Unit (1948), $1.09.

STOCK NOS:	(USAF) 8850-108870, (SigC) 2Z308-224, (Navy) N17-C-67728-7317
PROCUREM'T INFO:	Dwg. No. RE49AA450 (Navy).
COGNIZANCE:	USAF, Rome FUNCTIONAL CLASS. NO.: 11.2.1

ADAPTER UG-306/U
(ADAPTER, CONNECTOR, UG-306/U)

FUNCTIONAL DESCRIPTION:
Couples RF Plug UG-88/U or equivalent to RF Jack UG-89/U or equivalent. (Adapts BNC male to BNC female connectors.)



RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:
Frequency Range: Up to 3000 megacycles per second.
Maximum Voltage: 500 volts.
Impedance: 52 ohms.
Temperature: Moderate.
Weatherproof: Yes.
Pressurized: No.
Shape: Cylindrical.
Material: Silver-plated brass.
Insert: Teflon.
Contacts: 1 round male coaxial on one end, 1 round female coaxial contact, grounded on other end; bayonet locking.
Type: Right angle (watertight when in mated position).
Dimensions: 1" x 31/32" x 9/16" diameter.
Weight: 0.033 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:
American Phenolic Corporation, Chicago 50, Illinois; Amphenol No. 31-009.
H. H. Buggie and Company, Toledo 4, Ohio; H. H. B. No. 666.
Diamond Manufacturing Corporation, Wakefield, Massachusetts; DICO No. 862.
General Electric Company, Schenectady, New York; G. E. Dwg. No. 474365-1.
Industrial Products Company, Danbury, Connecticut; IPC No. 5200.
Kings Electronics, Tuckahoe, New York; Kings No. KC-91-04.
Stewart-Warner Electric Division of Stewart-Warner Corporation, Chicago 51, Illinois; Contract No. NOa(s)10984 (Navy).

STOCK NOS: (USAF) 8850-108900, (Army) 2Z308-306.
PROCUREM'T INFO: Specification MIL-C-3608, Dwg. No. RE49F429 (Navy).
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.2.1
- Electronics Test Equipment - UG-306/U

oject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

ADAPTER UG-326/TPM-7
(ADAPTER, CABLE TO CONNECTOR UG-326/TPM-7)

FUNCTIONAL DESCRIPTION:

Couples a standard type "N" connector to Transmission Line RG-44/U.

RELATIONSHIP TO OTHER EQUIPMENT:

Used with Radar Test Set AN/TPM-7. Used in testing Radar Sets AN/MSQ-1, -1A, -2.

ELECTROMECHANICAL DESCRIPTION:

Frequency Range: Up to 3000 megacycles per second.
Maximum Voltage: 500 volts.
Impedance: 50 ohms.
Temperature: Moderate.
Weatherproof: No.
Pressurized: No.
Shape: Cylindrical.
Material: Silver-plated brass.
Insert: Silver-plated brass.
Contacts: 1 round female contact on each end; one end is UG-46/U; other end fits type "N" connectors.
Type: Straight, with 90° 1/4-wave offset stub.
Dimensions: 6-1/8" x 2-1/8" x 7/8" diameter.
Weight: 0.344 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

Specialty Spraying & Machine Company, New York 17, New York, Contract AF 33(604)9049, dated 28 October 1953.

STOCK NOS: 2Z303-326 (SigC).	
PROCUREM'T INFO: Dwg. SC-D-14930 (SigC).	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.2.1
- Electronics Test Equipment -	UG-326/TPM-7

CONNECTOR, ADAPTER UG-978/U

FUNCTIONAL DESCRIPTION:

A BNC connector for use with Signal Generator TS-452/U.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/ALR-5, AN/APR-4, -4X.
Similar to General Radio Type GR-274.

ELECTROMECHANICAL DESCRIPTION:

Frequency Range: 100 megacycles per second.
Maximum Voltage: 500 volts.
Impedance: 50 ohms.
Temperature: Moderate.
Weatherproof: Yes.
Pressurized: No.
Shape: Cylindrical.
Material: Silver-plated brass.
Insert: Polystyrene or Teflon.
Contacts: Two male ends.
Type: Straight.
Dimensions: 2" x 5/8" diameter.
Weight: 0.125 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

No production contract as of 20 April 1954.

STOCK NOS:	
PROCUREM'T INFO:	Specification MIL-C-3608.
COGNIZANCE: USAF, ARL	FUNCTIONAL CLASS. NO.: 11.2.1
- Electronics Test Equipment -	UG-978/U

CONNECTOR, RECEPTACLE UG-1065/U

FUNCTIONAL DESCRIPTION:

A changeable RF coaxial connector which will connect to any RF type "N" male connector plug for use with Wattmeter ME-91/U.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/APT-5.

ELECTROMECHANICAL DESCRIPTION:

Frequency Range: Up to 1000 megacycles per second.
Maximum Voltage: 500 volts.
Impedance: 50 ohms.
Volt Standing Wave Ratio: Less than 1.05.
Temperature: High (+200° C.).
Weatherproof: Yes.
Pressurized: No.
Shape: Cylindrical.
Material: Silver-plated brass.
Insert: Teflon.
Contacts: One round type "N" female.
Type: Straight.
Dimensions: 1-1/4" x 1-1/4" x 1-1/8" (5/8" diameter).
Weight: 0.063 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

Bird Electronic Company, Cleveland 14, Ohio. Approximate Cost per Unit, $4.50, May 1954.

STOCK NOS:	
PROCUREM'T INFO:	
COGNIZANCE: USAF, C&N	FUNCTIONAL CLASS. NO.: 11.2.1
- Electronics Test Equipment -	UG-1065/U

CONNECTOR, RECEPTACLE UG-1066/U

FUNCTIONAL DESCRIPTION:

A changeable RF coaxial connector which will connect to any RF type "N" female connector plug for use with Wattmeter ME-91/U.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/APT-5.

ELECTROMECHANICAL DESCRIPTION:

Frequency Range: Up to 1000 megacycles per second.
Maximum Voltage: 500 volts.
Impedance: 50 ohms.
Volt Standing Wave Ratio: Less than 1.05.
Temperature: High (+200° C.).
Weatherproof: Yes.
Pressurized: No.
Shape: Cylindrical.
Material: Silver-plated brass.
Insert: Teflon.
Contacts: One round type "N" male.
Type: Straight.
Dimensions: 1-1/4" x 1-1/4" x 1-3/16" (5/8" diameter).
Weight: 0.063 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

Bird Electronic Company, Cleveland 14, Ohio. Approximate Cost per Unit, $4.50, May 1954.

STOCK NOS:
PROCUREM'T INFO:
COGNIZANCE: USAF, C&N FUNCTIONAL CLASS. NO.: 11.2.1
- Electronics Test Equipment - UG-1066/U

ADAPTOR, COAXIAL
Type No. 874-QBJA
(General Radio Company)

FUNCTIONAL DESCRIPTION:

A highly conductive RF coaxial adaptor assembly used to couple Connector General Radio 874 to Type BNC plug.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Range: 0 to 5 kilomegacycles per second.
Maximum Input Voltage: 1.5 kilovolts.
Maximum Input Power: 150 watts at one kilomegacycle per second.
Characteristic Impedance: 50 ohms.
Weatherproof: No.
Pressurized: No.
Shape: Cylindrical.
Contacts: One round male-female contact on one end, round female contact on other end.
Weight: 0.0625 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Radio Company, Baker Avenue, West Concord, Massachusetts; Approximate Cost per Unit, $4.75.

STOCK NOS.:	
PROCUREM'T INFO:	
COGNIZANCE: Navy, BuAer	FUNCTIONAL CLASS NO.: 11.2.1
- Electronics Test Equipment -G.R. 874-QBJA	

ADAPTOR, COAXIAL
Type No. 874-QBPA
(General Radio Company)

FUNCTIONAL DESCRIPTION:

A highly conductive RF coaxial adaptor assembly used to couple Connector General Radio 874 to Type BNC jack.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Range: 0 to 5 kilomegacycles per second.
Maximum Input Voltage: 1.5 kilovolts.
Maximum Input Power: 150 watts at one kilomegacycle per second.
Characteristic Impedance: 50 ohms.
Weatherproof: No.
Pressurized: No.
Shape: Cylindrical.
Contacts: One round male-female contact on one end, round male contact on other end.
Weight: 0.0938 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Radio Company, Baker Avenue, West Concord, Massachusetts; Approximate Cost per Unit, $5.25.

STOCK NOS.:
PROCUREM'T INFO:
COGNIZANCE: Navy, BuAer FUNCTIONAL CLASS NO.: 11.2.1
- Electronics Test Equipment -G.R. 874-QBPA

ADAPTOR, COAXIAL
Type No. 874-QNPA
(General Radio Company)

FUNCTIONAL DESCRIPTION:
A highly conductive RF coaxial adaptor assembly used to couple Connector General Radio 874 to Type N jack.

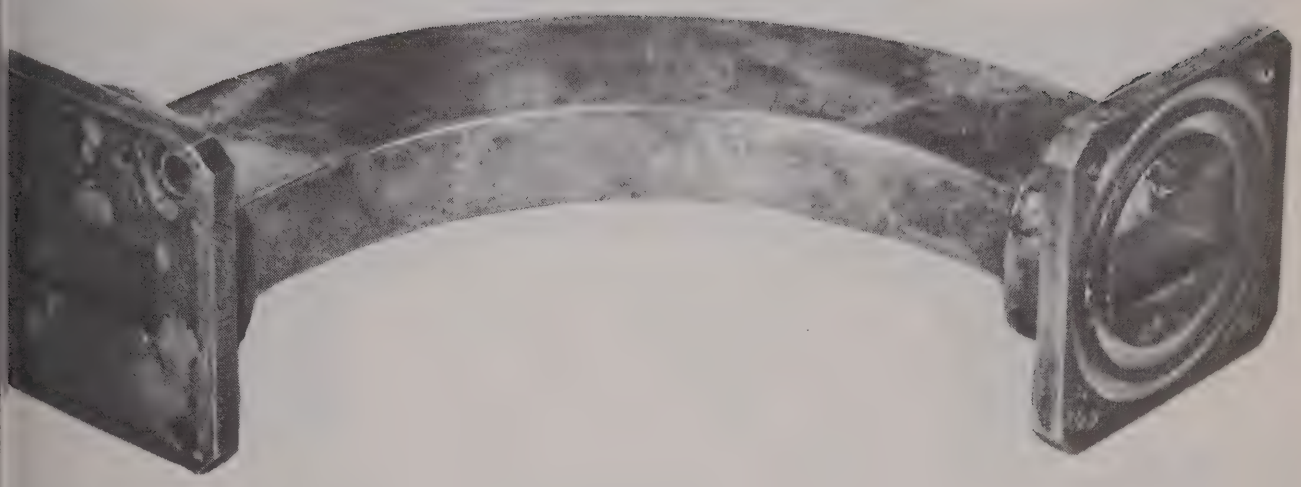
RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:
Range: 0 to 5 kilomegacycles per second.
Maximum Input Voltage: 1.5 kilovolts.
Maximum Input Power: 150 watts at one kilomegacycle per second.
Characteristic Impedance: 50 ohms.
Weatherproof: No.
Pressurized: No.
Shape: Cylindrical.
Contacts: One round male-female contact on one end, round male contact on other end.
Weight: 0.109 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:
General Radio Company, Baker Avenue, West Concord, Massachusetts; Approximate Cost per Unit, $5.00.

STOCK NOS.:
PROCUREM'T INFO:
COGNIZANCE: Navy, BuAer FUNCTIONAL CLASS NO.: 11.2.1
- Electronics Test Equipment -G.R. 874-QNPA

ELBOW UG-283/U



INCTIONAL DESCRIPTION:

A portable, general purpose unit, used with a dummy load to isolate a transmitter m plumbing and the antenna system for test purposes. It is used in organizational, ld, and depot testing.

:LATIONSHIP TO OTHER EQUIPMENT:

.ECTROMECHANICAL DESCRIPTION:

:cuit Information: This unit consists of a 90° H-bend section of waveguide with a flange on each end. Inside radius of bend is 8".
wer Supply: None.
equency Range: 2600 to 4000 megacycles per second.

ANUFACTURERS' OR CONTRACTORS' DATA:

USAF Order No. 704-MPD-45.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	1800-291487925		2Z4022-283
PROCUREM'T INFO.: USAF Dwg. B-13321-A			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, Rome	
I.I.N.:		FUNCTIONAL CLASS. NO.: 11.2.2	
- Electronics Test Equipment -			UG-283/U

oject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

ELBOW UG-283/U

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weig Pack (Lb
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weig (Lb
				H	W	D	
1	Elbow UG-283/U	Brass	1800-291487925 2Z4022-283	5	17	6	7.2

ELBOW UG-284/U

UNCTIONAL DESCRIPTION:
A portable, general purpose unit, used with a dummy load to isolate a transmitter om plumbing and the antenna system for test purposes. It is used in organizational, eld, and depot testing.

ELATIONSHIP TO OTHER EQUIPMENT:

LECTROMECHANICAL DESCRIPTION:
.rcuit Information: This unit consists of a 90° E-bend section of waveguide with a flange on each end. Inside radius of bend is 8".
ower Supply: None.
requency Range: 2600 to 4000 megacycles per second.

ANUFACTURERS' OR CONTRACTORS' DATA:
USAF Order No. 704-MPD-45.

	AIR FORCE	NAVY	ARMY
YPE CLASS.			
TOCK NOS.	1800-291487926	N16-W2369-2048	2Z4022-284
ROCUREM'T INFO.:	USAF Dwg. No. B-13322-A		
ROCUREM'T COG.:	USAF	DESIGN COG.:	USAF, Rome
.I.I.N.:		FUNCTIONAL CLASS. NO.:	11.2.2
	- Electronics Test Equipment -		UG-284/U

project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

ELBOW UG-284/U

TUBE COMPLEMENT:
None.

RFFERENCE DATA AND LITERATURE:

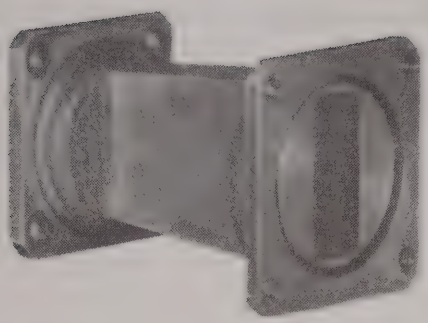
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weig Pack (Lb
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weig (Lbs
				H	W	D	
1	Elbow UG-284/U	Brass	1800-291487926 N16-W2369-2048 2Z4022-284	5	15-3/4	5	6.9

ADAPTER MX-135/AP



JNCTIONAL DESCRIPTION:

A portable, general purpose adapter of the tapered waveguide type used to connect an Army size waveguide choke to a Navy size waveguide flange. It is used in ld and depot maintenance of airborne radar equipment.

ELATIONSHIP TO OTHER EQUIPMENT:

This adapter mates with RF Lines RG-67/U on one end and RG-68/U on the other i.

LECTROMECHANICAL DESCRIPTION:

rcuit Information: This adapter consists of a tapered waveguide, with Choke Flange UG-137/U at its larger end to connect to Waveguide Choke UG-51/U with inside dimensions of 1.222" x 0.497", and a Cover Flange UG-135/U at its smaller end to connect to Waveguide Flange UG-52/U with inside dimensions of 0.900" x 0.400". Radio frequency energy flows along the inner surface from one end to

(Continued)

	AIR FORCE	NAVY	ARMY
YPE CLASS.			
TOCK NOS.	7CAC-002910-85	N16A-23033-2501	2Z301-135
ROCUREM'T INFO.:	Army Spec. (SigC) 471-5035; Dwg. No. 49C12791		
ROCUREM'T COG.:	USAF	DESIGN COG.: USAF, ARL	
.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.2.3	
	- Electronics Test Equipment -		MX-135/AP

roject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

ADAPTER MX-135/AP

ELECTROMECHANICAL DESCRIPTION: (Continued)

the other with a minimum loss, since the terminating impedances are match

Power Supply: None.

Frequency Range: 8500 to 9600 megacycles per second.

Voltage Standing Wave Ratio: Not greater than 1.1:1.

MANUFACTURERS' OR CONTRACTORS' DATA:

Frampton Electric Equipment Company, Dayton, Ohio; Contract Nos. AF 33(03 50-3181 and AF 33(038)29401, 15 June 1951; Approximate Cost per Unit, $13.

Wac Engineering Company, 35 South St. Clair Street, Dayton, Ohio; Contract N AF 33(600)22742, 18 March 1954; Approximate Cost per Unit, $45.00.

Western Electric Company, Broadway, New York, New York; Order No. 87 DAY-45RA; Approximate Cost per Unit, $15.00.

TUBE COMPLEMENT:

None.

REFERENCE DATA AND LITERATURE:

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weig Pack (Lbs
			H	W	D	
1	Adapter MX-135/AP (Shelf Package)	0.02	3	3	3	0.5

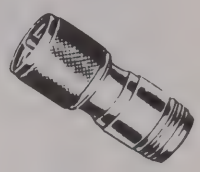
EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weig (Lbs
				H	W	D	
1	Adapter MX-135/AP		7CAC-002910-85 N16A-23033-2501 2Z301-135	1-3/4	1-3/4	2-5/16	0.25

ADAPTER UG-83A/U
(ADAPTER, CONNECTOR UG-83A/U)

FUNCTIONAL DESCRIPTION:

Couples RF Plug UG-9/U or UG-21/U, or equal, to Army Socket Type SO-239 or Navy Socket Type 49194, or equal. (Adapts "N" to UHF connectors.)



RELATIONSHIP TO OTHER EQUIPMENT:

Similar to UG-83/U except body manufacture redesigned for greater strength.

ELECTROMECHANICAL DESCRIPTION:

Frequency Range: Up to 200 megacycles per second.
Maximum Voltage: 500 volts.
Impedance: Non-constant.
Temperature: Moderate.
Weatherproof: No.
Pressurized: No.
Shape: Cylindrical.
Material: Silver-plated brass.
Insert: Low loss.
Contacts: 1 round male coaxial contact on one end, 1 round female coaxial contact on other end.
Type: Straight.
Dimensions: 1-51/64" x 7/8" diameter.
Weight: 0.07 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

Industrial Products Company, Danbury, Connecticut, IPC No. 14000. Contract No. NOa(s)-7954 (Navy).

Diamond Manufacturing Corporation, Wakefield, Massachusetts.

STOCK NOS: (USAF) 8850-108745, (SigC) 2Z308-83A.
PROCUREM'T INFO: Dwg. No. RE49F250 (Navy).
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11. 2. 3
- Electronics Test Equipment - UG-83A/U

ADAPTER UG-146/U
(ADAPTER, CONNECTOR, UG-146/U)

FUNCTIONAL DESCRIPTION:

Couples RF Jack UG-23/U or equal to Army Plug PL-259-A, Navy Type 49195, or equal. (Adapts N to UHF connectors.)

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Frequency Range: Up to 200 megacycles per second.
Maximum Voltage: 500 volts.
Impedance: Non-constant.
Temperature: Moderate.
Weatherproof: No.
Pressurized: No.
Shape: Cylindrical.
Material: Silver-plated brass.
Insert: Low loss dielectric.
Contacts: 1 round male contact on one end, 1 round female contact on other end.
Type: Straight.
Dimensions: 1-3/4" x 3/4" diameter.
Weight: 0.085 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

Diamond Manufacturing Corporation, Wakefield, Massachusetts;DICO No. 814.

Industrial Products Company, Danbury, Connecticut; Contract No. NObsr-42075 (Navy), IPC No. 4400.

Kings Electronics, Tuckahoe, New York; Kings No. KN-91-05.

STOCK NOS: (USAF) 8850-108800, (Army) 2Z308-146.	
PROCUREM'T INFO: Dwg. No. RE49F278 (Navy).	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11, 2, 3
- Electronics Test Equipment -	UG-146/U

ject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

ADAPTER UG-197/U
(ADAPTER, CONNECTOR UG-197/U)

FUNCTIONAL DESCRIPTION:

Couples UHF Plug PL-259-A (Navy Type 49195) or equivalent, to British type "Pye" Receptacle 10H/528, or equivalent.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/APN-12, AN/APN-76, AN/APN-76A. Identical to Navy Adapter 49544.

ELECTROMECHANICAL DESCRIPTION:

Frequency Range: Up to 200 megacycles per second.
Maximum Voltage: 500 volts.
Impedance: Non-constant.
Temperature: Moderate.
Weatherproof: No.
Pressurized: No.
Shape: Cylindrical.
Material: Silver-plated zinc.
Insert: Polystyrene.
Contacts: 2 round female contacts, 1 at each end.
Type: Right angle.
Dimensions: 1-1/8" x 5/8" diameter.
Weight: 0.085 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

Industrial Products Company, Danbury, Connecticut IPC No. 1925.

STOCK NOS: (USAF) 8850-102700, (SigC) 2Z308-197.
PROCUREM'T INFO: Dwg. No. RE49F242 (Navy).
COGNIZANCE: USAF, C&N FUNCTIONAL CLASS. NO.: 11.2.3
- Electronics Test Equipment - UG-197/U

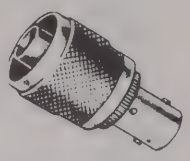
ADAPTER UG-201A/U
(ADAPTER, CONNECTOR, UG-201A/U)

FUNCTIONAL DESCRIPTION:

Couples RF Jack UG-20B/U to RF Plug UG-88/U. (Adapts N to BNC connectors.)

RELATIONSHIP TO OTHER EQUIPMENT:

Interchangeable with UG-201/U, but improved electrically and mechanically.



ELECTROMECHANICAL DESCRIPTION:

Frequency Range: Up to 10,000 megacycles per second.
Maximum Voltage: 500 volts.
Impedance: 50 ohms.
Voltage Standing Wave Ratio: Less than 1.2:1 for the frequency region 2600 to 7250 megacycles per second.
Temperature: Moderate.
Weatherproof: Yes.
Pressurized: No.
Shape: Cylindrical.
Material: Silver-plated brass.
Insert: Teflon.
Contacts: 1 male end, 1 female end; type N male, type BNC female; both ends locking type.
Type: Straight.
Dimensions: 1-5/16" x 13/16" diameter.
Weight: 0.125 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

Diamond Manufacturing Corporation, Wakefield, Massachusetts.
Industrial Products Company, Danbury, Connecticut.
Kings Electronics, Tuckahoe, New York, Order No. (KEC) P.O. (19-22)49-2738 ($1.25). Dwg. No. 88025.

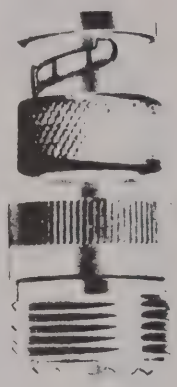
STOCK NOS: (USAF) 8850-101950, (Army) 2Z308-201A.	
PROCUREM'T INFO: Dwg. SC-D-72309 (SigC).	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.2.3
- Electronics Test Equipment -	UG-201A/U

roject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

ADAPTER UG-255/U
(ADAPTER, CONNECTOR, UG-255/U)

FUNCTIONAL DESCRIPTION:

Couples Plug PL-259 (Navy type 49190) or Plug PL-259-A (Navy type 49195) to RF Jack UG-89/U, UG-90/U, or Receptacle UG-185/U. (Adapts BNC to UHF connectors).



RELATIONSHIP TO OTHER EQUIPMENT:

Similar on one end to SO-239 Navy type 49194 and on other end to UG-88/U.

ELECTROMECHANICAL DESCRIPTION:

Frequency Range: Up to 500 megacycles per second.
Maximum Voltage: 500 volts.
Impedance: Non-constant.
Temperature: Moderate.
Weatherproof: No.
Pressurized: No.
Shape: Cylindrical.
Material: Silver-plated brass.
Insert: Cross-linked styrene.
Contacts: 1 type BNC round male, 1 type UHF round female locking type.
Type: Straight.
Dimensions: 1-5/16" x 5/8" diameter.
Weight: 0.125 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

Diamond Manufacturing Corporation, Wakefield, Massachusetts; DICO No. 863.

Industrial Products Company, Danbury, Connecticut; IPC No. 2900; Purchase Order 49-194; Approximate Cost per Unit, $1.50.

Kings Electronics, Tuckahoe, New York; Kings No. KC-91-01.

STOCK NOS: (USAF) 8850-108880, (Army) 2Z308-255.	
PROCUREM'T INFO: JAN-P-77, Dwg. No. RE49F378 (Navy).	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.2.3
- Electronics Test Equipment -	UG-255/U

oject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

ADAPTER UG-270/U
(ADAPTER, CONNECTOR, UG-270/U)

FUNCTIONAL DESCRIPTION:

Couples RF Cable RG-17/U or equivalent to RF Cable RG-8/U or equivalent by means of 1 Plug UG-154/U and 1 RF Plug UG-21/U. (Adapts N to LC connectors). One end has 5/8"-24 thread; the other end has 1-1/4" -18 thread.

RELATIONSHIP TO OTHER EQUIPMENT:

Similar to UG-217/U and UG-259/U.

ELECTROMECHANICAL DESCRIPTION:

Frequency Range: Up to 10,000 megacycles per second.
Maximum Voltage: 10,000 volts.
Impedance: 52 ohms.
Temperature: Moderate.
Weatherproof: Yes.
Pressurized: No.
Shape: Cylindrical.
Material: Silver-plated brass.
Insert: Molded plastic.
Contact: 1 coaxial female contact on each end.
Type: Straight.
Dimensions: 2-7/32" x 1-5/8" diameter.
Weight: 0.313 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

Diamond Manufacturing Corporation, Wakefield, Massachusetts, DICO No. 2080.

Industrial Products Corporation, Danbury, Connecticut, IPC No. 55500.

Kings Electronics, Tuckahoe, New York, Kings No. KV-91-07.

Radio Corporation of America, Camden, New Jersey.

STOCK NOS: (Army) 2Z308-270	
PROCUREM'T INFO: Dwg. No. RE49F388 (Navy).	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.2.3
- Electronics Test Equipment -	UG-270/U

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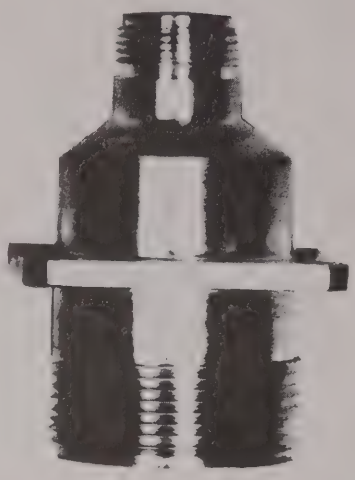
ADAPTER UG-271/U
(ADAPTER, CONNECTOR, UG-271/U)



FUNCTIONAL DESCRIPTION:
Couples RF Cable RG-17/U or equivalent to RF Cable RG-8/U or equivalent by means of 1 Plug UG-154/U and 1 RF Plug UG-21/U. Adapts N to LC connectors. One end has 5/8"-24 thread; the other end has 1-1/4"-18 thread.

RELATIONSHIP TO OTHER EQUIPMENT:
Used in testing AN/CPS-1, AN/MPS-5. Part of Navy Model TEG-1 Radio Transmitting Equipment. Similar to UG-270/U except UG-271/U incorporates a square mounting flange with 4 holes for chassis or panel mounting. Mounting holes 0.196" diameter on 1-3/16" x 1-3/16" mounting centers.

ELECTROMECHANICAL DESCRIPTION:
Frequency Range: Up to 10,000 megacycles per second.
Maximum Voltage: 10,000 volts.
Impedance: 52 ohms.
Temperature: Moderate.
Weatherproof: Yes.
Pressurized: No.
Shape: Cylindrical.
Material: Silver-plated brass.
Insert: Molded plastic.
Contacts: 1 coaxial female contact on each end.
Type: Straight.
Dimensions: 2-7/32" x 1-9/16" x 1-9/16".
Weight: 0.313 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:
Diamond Manufacturing Corporation, Wakefield, Massachusetts, DICO No. 710.
Industrial Products Corporation, Danbury, Connecticut.
Kings Electronics, Tuckahoe, New York, Kings No. KV-91-13.
Radio Corporation of America, Camden, New Jersey; Dwg. Nos. (RCA) 888-4208-1 Sub. 1. IPC No. 55000.

STOCK NOS: (Army) 2Z308-271
PROCUREM'T INFO: Dwg. No. RE49F388 (Navy).
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.2.3
- Electronics Test Equipment - UG-271/U

roject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

ADAPTER UG-273/U
(ADAPTER, CONNECTOR UG-273/U)

FUNCTIONAL DESCRIPTION:
Couples RF Plug UG-88/U to Socket SO-239 (Navy Type 49194). (Adapts BNC to UHF connectors.)

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:
Frequency Range: Up to 3000 megacycles per second.
Maximum Voltage: 500 volts.
Impedance: Non-constant.
Temperature: Moderate.
Weatherproof: No.
Pressurized: No.
Shape: Cylindrical.
Material: Silver-plated brass.
Insert: Polystyrene.
Contacts: One end is like Plug PL-259 (49190) and the other end is like Jack UG-89/U.
Type: Straight.
Dimensions: 1-5/16" x 11/16" diameter.
Weight: 0.085 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:
Diamond Manufacturing Corporation, Wakefield, Massachusetts, DICO No. 866.

Industrial Products Company, Danbury, Connecticut, IPC No. 4000, Order Nos. (IPC) 49-194, Approximate Cost per Unit, $1.20.

Kings Electronics, Tuckahoe 7, New York, Contract AF 33(038)23427, 3 April 1951, Approximate Cost per Unit, $1.09, Kings No. KC-91-02.

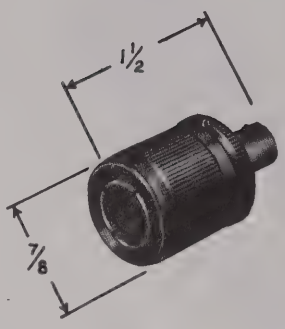
Molded Insulation Company, Philadelphia 44, Pennsylvania; Contract AF 33 (600)-6340, November 8, 1951, Approximate Cost per Unit, $0.65.

STOCK NOS: (USAF) 8850-102000, (SigC) 2Z308-273.
PROCUREM'T INFO: Dwg. No. RE49F389 (Navy).
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.2.3
- Electronics Test Equipment - UG-273/U

ADAPTER UG-309/U

FUNCTIONAL DESCRIPTION:

Adapts a type BNC Radio Frequency Plug such as UG-88/U to a type HN Radio Frequency Jack such as UG-60A/U.



RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/GPA-6.

ELECTROMECHANICAL DESCRIPTION:

Frequency Range: Up to 3000 megacycles per second.
Maximum Voltage: 500 volts.
Impedance: 52 ohms.
Temperature: Moderate.
Weatherproof: Yes.
Pressurized: No.
Shape: Cylindrical.
Material: Silver-plated brass.
Insert: Teflon.
Contacts: Male one end, female other end.
Type: Straight.
Dimensions: 1-1/2" x 7/8" diameter.
Weight: 0.063 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

Industrial Products Company, Danbury, Connecticut, IPC No. 8900.
Diamond Manufacturing Corporation, Wakefield, Massachusetts, DICO No. 1099.

STOCK NOS: (USAF) 8850-108950, (Army) 2Z308-309.
PROCUREM'T INFO: Dwg. No. RE49F419.
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11. 2. 3
- Electronics Test Equipment - UG-309/U

ADAPTER UG-349A/U

FUNCTIONAL DESCRIPTION:

Adapts a type N Radio Frequency Plug such as UG-21/U to a type BNC Radio Frequency Jack such as UG-89/U.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-5C, -5D, AN/FRT-5, -6.

Similar to Adapter UG-335/U except UG-349A/U does not have the mounting plate.

Similar to Adapter UG-349/U except the "A" is improved electrically and mechanically.

ELECTROMECHANICAL DESCRIPTION:

Frequency Range: Up to 3000 megacycles per second.
Maximum Voltage: 500 volts.
Impedance: 52 ohms.
Temperature: Moderate.
Weatherproof: Yes.
Pressurized: No.
Shape: Cylindrical.
Material: Silver-plated brass.
Insert: Teflon.
Contacts: Type ENG male one end, type N female other end.
Type: Straight.
Dimensions: 1-1/2" x 17/32" diameter.
Weight: 0.063 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

Industrial Products Company, Danbury, Connecticut; IPC No. 88100.
Diamond Manufacturing Corporation, Wakefield, Massachusetts.

STOCK NOS: (Army) 2Z308-349A.	
PROCUREM'T INFO: Dwg. SC-D-72331 (SigC).	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.2.3
- Electronics Test Equipment -	UG-349A/U

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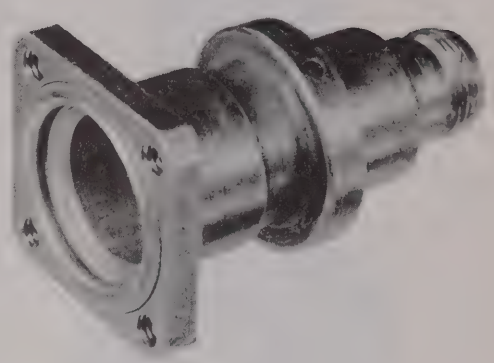
ADAPTER CONNECTOR UG-519/U
(CONNECTOR, ADAPTER, UG-519/U)

FUNCTIONAL DESCRIPTION:

Connects a rigid Coaxial Line (7/8" x 3/8" x 0.032") such as RG-92/U to a type N Plug such as UG-21B/U.



RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/FPS-3, -3A.
Similar to Sperry Model 217.

ELECTROMECHANICAL DESCRIPTION:

Frequency Range: 0 to 4000 megacycles per second.
Maximum Voltage: 500 volts.
Impedance: 50 ohms.
Voltage Standing Wave Ratio: 1.30:1.
Temperature: Moderate.
Weatherproof: Yes.
Pressurized: Yes.
Shape: Rectangular.
Material: Silver-plated brass.
Insert: Copolymerstyrene (Commercial Rexolite 1422).
Contacts: One female Coupling UG-46/U on one end, one type N RF Jack such as UG-23B/U on other end.
Type: Straight.
Dimensions: 3-1/4" x 1-3/8" x 1-3/8".
Weight: 0.313 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

Sperry Gyroscope Company, Great Neck, Long Island, New York; USAF Contract W-28-099-ac-187; Approximate Cost per Unit, $55.00, December 1952.

STOCK NOS: (USAF) 8850-109855	
PROCUREM'T INFO: Dwg. AS-2034 and DL-49C57013 (USAF).	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.2.3
- Electronics Test Equipment -	UG-519/U

roject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U.S.A.

ADAPTER CONNECTOR UG-607/U

FUNCTIONAL DESCRIPTION:

An adapter assembly for high voltage pulse to couple H. H. Buggie type 1372 and UG-181A/U. This assembly is used with the Electrical Cable Test Set AN/UPM-16 for testing high voltage connectors and cables.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Maximum Voltage: Corona free to at least 5000 volts.
Impedance: 50 ohms.
Temperature: -65° F. to +185° F. (-54° C. to +85° C.).
Weatherproof: Yes (when mated to proper connectors).
Pressurized: No.
Shape: Cylindrical.
Material: Cadmium-plated brass.
Insert: Molded rubber.
Contacts: One round male, on each end.
Type: Straight.
Dimensions: 4-11/32" x 1-7/8" diameter.
Weight: 0.6 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

H. H. Buggie and Company, 726 Stanton Street, Toledo 4, Ohio; Part No. B1374.

STOCK NOS:	
PROCUREM'T INFO:	USAF Dwg. No. 51C12571
COGNIZANCE: USAF, ARL	FUNCTIONAL CLASS. NO.: 11.2.3
- Electronics Test Equipment -	UG-607/U

roject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

ADAPTER CONNECTOR UG-608/U

FUNCTIONAL DESCRIPTION:

An adapter assembly for high voltage pulse to couple H. H. Buggie type 1372 and UG-180A/U. This assembly is used with the Electrical Cable Test Set AN/UPM-16 for testing high voltage connectors and cables.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Maximum Voltage: Corona free to at least 5000 volts.
Impedance: 50 ohms.
Temperature: -65° F. to +185° F. (-54° C. to +85° C.).
Weatherproof: Yes (when mated to proper connectors).
Pressurized: No.
Shape: Cylindrical.
Material: Cadmium-plated brass.
Insert: Molded rubber.
Contacts: One round male contact on one end, one round female contact on other end.
Type: Straight.
Dimensions: 3-3/8" x 1-7/8" diameter.
Weight: 0.6 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

H. H. Buggie and Company, 726 Stanton Street, Toledo 4, Ohio; Part No. B1373.

STOCK NOS:	
PROCUREM'T INFO:	USAF Dwg. No. 51C12572
COGNIZANCE: USAF, ARL	FUNCTIONAL CLASS. NO.: 11.2.3
- Electronics Test Equipment -	UG-608/U

oject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

ADAPTER CONNECTOR UG-609/U

FUNCTIONAL DESCRIPTION:

An adapter assembly for high voltage pulse to couple H. H. Buggie type 1372 and UG-182A/U. This assembly is used with the Electrical Cable Test Set AN/UPM-16 for testing high voltage connectors and cables.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Maximum Voltage: Corona free to at least 5000 volts.
Impedance: 50 ohms.
Temperature: -65° F. to +185° F. (-54° C. to +85° C.).
Weatherproof: Yes (when mated to proper connectors).
Pressurized: No.
Shape: Cylindrical.
Material: Cadmium-plated brass.
Insert: Molded rubber.
Contacts: One round male, on each end.
Type: Straight.
Dimensions: 3-3/16" x 1-7/8" diameter.
Weight: 0.6 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

H. H. Buggie and Company, 726 Stanton Street, Toledo 4, Ohio; Part No. B1376.

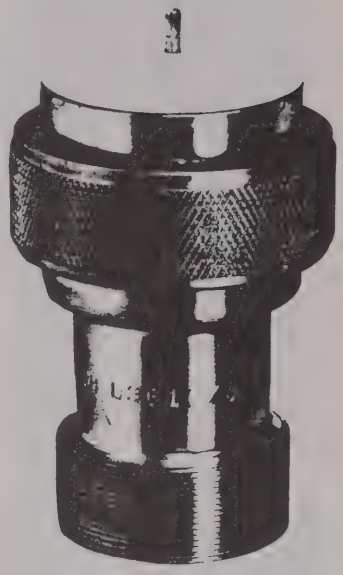
STOCK NOS:	
PROCUREM'T INFO: USAF Dwg. No. 51C12573	
COGNIZANCE: ARL	FUNCTIONAL CLASS. NO.: 11.2.3
- Electronics Test Equipment -	UG-609/U

project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

ADAPTER CONNECTOR UG-610/U

FUNCTIONAL DESCRIPTION:

An adapter assembly for high voltage pulse to couple H. H. Buggie type 1372 and UG-34/U. This assembly is used with the Electrical Cable Test Set AN/UPM-16 for testing high voltage connectors and cables.



RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Maximum Voltage: Corona free to at least 10,000 volts.
Impedance: 50 ohms.
Temperature: -65° F. to +185° F. (-54° C. to +85° C.).
Weatherproof: Yes (when mated to proper connectors).
Pressurized: No.
Shape: Cylindrical.
Material: Cadmium-plated brass.
Insert: Teflon.
Contacts: One round male contact on one end, one round female contact on other end.
Type: Straight.
Dimensions: 3-3/16" x 1-7/8" diameter.
Weight: 0.6 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

H. H. Buggie and Company, 726 Stanton Street, Toledo 4, Ohio; Part No. B1378.

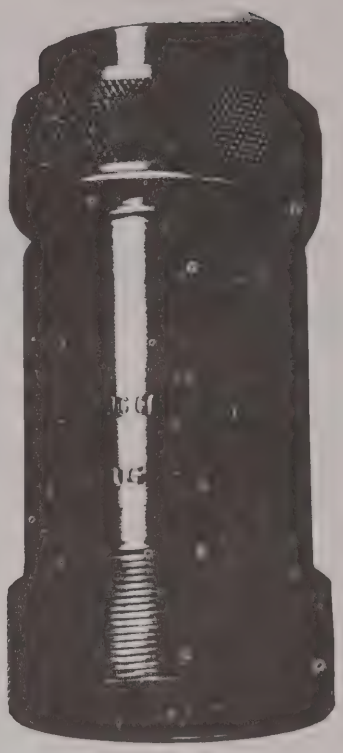
STOCK NOS:	
PROCUREM'T INFO:	USAF Dwg. No. 51C12574
COGNIZANCE: USAF, ARL	FUNCTIONAL CLASS. NO.: 11.2.3
- Electronics Test Equipment -	UG-610/U

roject was supported by the USAF on Contract AF 33(600)28176 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

ADAPTER CONNECTOR UG-611/U

FUNCTIONAL DESCRIPTION:

An adapter assembly for high voltage pulse to couple H. H. Buggie type 1372 and UG-36/U. This assembly is used with the Electrical Cable Test Set AN/UPM-16 for testing high voltage connectors and cables.



RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Maximum Voltage: Corona free to at least 10,000 volts.
Impedance: 50 ohms.
Temperature: -65° F. to +185° F. (-54° C. to +85° C.).
Weatherproof: Yes (when mated to proper connectors).
Pressurized: No.
Shape: Cylindrical.
Material: Cadmium-plated brass.
Insert: Teflon.
Contacts: One round male contact on one end, one round female contact on other end.
Type: Straight.
Dimensions: 4-1/2" x 1-7/8" diameter.
Weight: 1.0 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

H. H. Buggie and Company, 726 Stanton Street, Toledo 4, Ohio; Part No. B1379.

STOCK NOS:	
PROCUREM'T INFO:	USAF Dwg. No. 51C12575
COGNIZANCE: USAF, ARL	FUNCTIONAL CLASS. NO.: 11.2.3
- Electronics Test Equipment -	UG-611/U

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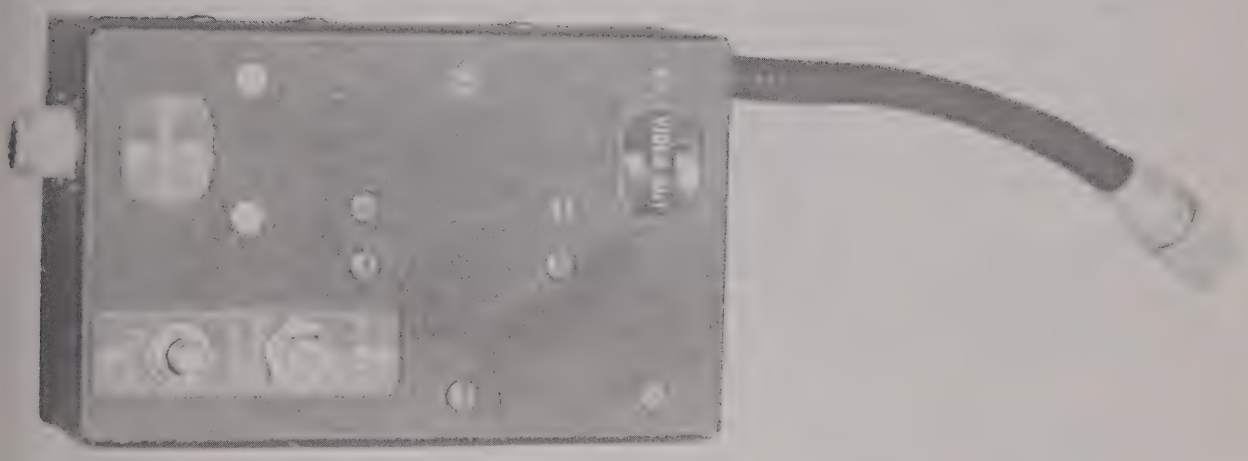
INDICATOR BC-936-A
(METER, FIELD STRENGTH, BC-936-A)



UNCTIONAL DESCRIPTION:

A vacuum tube device designed to measure the power output and pulse width of rtain specific types of transmitting equipment. The indicator rectifies the radio :quency power output of the transmitter under test and furnishes this video signal the cathode ray indicator of the transmitting equipment under test. Maximum :put is measured by observing amplitude, or pulse width is measured by observing ;nal durations on the cathode-ray indicator. A video output cable is permanently ached.

LATIONSHIP TO OTHER EQUIPMENT:

LECTROMECHANICAL DESCRIPTION:

:cuit Information: The indicator contains a triode vacuum tube which is used to rectify a transmitter signal. It also contains associated circuit elements for

(Continued)

	AIR FORCE	NAVY	ARMY
YPE CLASS.			
'OCK NOS.	7CAC-526253		2C1550-936A
ROCUREM'T INFO.:			
ROCUREM'T COG.: USAF		DESIGN COG.: USAF, C&N	
I.I.N.:		FUNCTIONAL CLASS. NO. 11. 2. 4	
- Electronics Test Equipment -			BC-936-A

oject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

INDICATOR BC-936-A
(METER, FIELD STRENGTH, BC-936-A)

ELECTROMECHANICAL DESCRIPTION: (Continued)

applying the rectified signal to the indicator of the radar set under test. The ou put pulse from the transmitter charges the capacitance between the cathode a ground, which causes a voltage proportional to the pulse amplitude to be deve oped across a resistor. The value of this resistor is switched to a small val to cause a rapid voltage decay suitable for pulse width measurement or to lar value to cause a slow voltage decay, thus producing a signal which can be mea ured for maximum amplitude.

Power Supply: 1.5 volts supplied by two Batteries BA-30 (1.5 volts).
Cycles per Pulse: 800 to 1600 pulses per second.
Pulse Width: 4 to 6 or 5 to 8 microseconds.

MANUFACTURERS' OR CONTRACTORS' DATA:

Philco Corporation, Philadelphia 34, Pennsylvania; Order No. 5759-WF-4 11 May 1943; Approximate Cost per Unit, $18.68; Order No. 40-45, 13 October 19 Approximate Cost per Unit, $13.74.

TUBE COMPLEMENT:

1 JAN-957.

REFERENCE DATA AND LITERATURE:

AN 16-40BC936-2 (Maintenance Instructions).

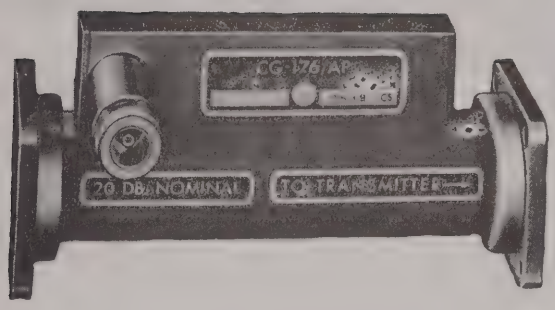
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weig Packe (Lbs
			H	W	D	
1	Indicator, BC-936-A (Wooden Box)	0.11	8	4	3	2.5

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weigh (Lbs
				H	W	D	
1	Indicator BC-936-A	Metal	7CAC-526253 2C1550-936A	6-1/2	3-5/8	2-3/8	2
1	Tube JAN-957 (Spare)		2J957				

DIRECTIONAL COUPLER CG-176/AP



NCTIONAL DESCRIPTION:

A small, general purpose, connector used for coupling test equipment to a wave-
ie of a radar system.

LATIONSHIP TO OTHER EQUIPMENT:

ECTROMECHANICAL DESCRIPTION:

cuit Information: This unit consists of a section of RF Line RG-52/U (1" x 1/2") which is attached to a pressurized probe. The waveguide is terminated at both ends with square choke joints UG-40/U so that it may be reversed in the line. Two cover plates UG-39/U are provided for use on choke joints. A type N connector is provided for attaching a coaxial line from the coupler to the test equipment:

ver Supply: None required.

quency Range: 5200 to 5500 megacycles per second.

(Continued)

	AIR FORCE	NAVY	ARMY
PE CLASS.			
OCK NOS.	7CAC-472696	R16-AN-CG-176/AP	3F3950-176
OCUREM'T INFO.:			
OCUREM'T COG.: Navy		DESIGN COG.: Navy, BuShips	
I.I.N.:		FUNCTIONAL CLASS. NO.: 11.2.4	
- Electronics Test Equipment -			CG-176/AP

ject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

DIRECTIONAL COUPLER CG-176/AP

ELECTROMECHANICAL DESCRIPTION: (Continued)
Directivity: More than 15 decibels.
Coupling Loss: 20 decibels nominal.
Coupling Accuracy: ±1%.

MANUFACTURERS' OR CONTRACTORS' DATA:
Philharmonic Radio and TV Corporation, 235 Jersey Avenue, New Brunswic New Jersey; Navy Contract NOas-3195; Approximate Cost per Unit, $100.00, M 1953.

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weigh Packe (Lbs
			H	W	D	

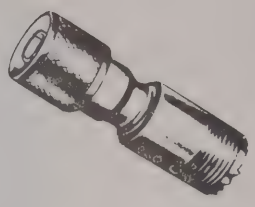
EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weigh (Lbs
				H	W	D	
1	Directional Coupler CG-176/AP		7CAC-472696 R16-AN-CG-176/AP 3F3950-176	2-1/2	5	2-1/4	1.5

CRYSTAL ADAPTER UG-119/UP
(ADAPTER, TEST UG-119/UP)

FUNCTIONAL DESCRIPTION:

Couples an "N" type socket to a video plug; rectifies the RF output of radar sets for use in test equipments requiring video input.



RELATIONSHIP TO OTHER EQUIPMENT:

Used with 1N21B, AN/MPM-5, TS-207/UP, TS-467/UP.

ELECTROMECHANICAL DESCRIPTION:

Frequency Range: Up to 24,000 megacycles per second.
Maximum Voltage: 500 volts.
Impedance: 50 ohms.
Temperature: Moderate.
Weatherproof: No.
Pressurized: No.
Shape: Cylindrical.
Material: Silver-plated brass.
Insert: Cartridge crystal.
Contacts: 1 type "N" plug on one end and 1 socket SO-239 on other end.
Type: Straight.
Dimensions: 2-1/8" x 11/16" diameter.
Weight: 0.5 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

Boonton Radio Corporation, Boonton, New Jersey, Contract No. AF 33(038) 20962, 3 April 1951; Approximate Cost per Unit, $10.35.

Diamond Manufacturing Corporation, Wakefield, Massachusetts, DICO No. 2033.

Industrial Products Company, Danbury, Connecticut; Contract No. NObsr-42075.

Kings Electronics, Tuckahoe, New York; Contract No. AF 33(038) 20482; 30 June 1952; Approximate Cost per Unit, $5.80.

STOCK NOS: (USAF) 3300-286054494, (SigC) 2Z308-119.	
PROCUREM'T INFO: Dwg. SC-D-12024 (SigC).	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO 11.2.4
- Electronics Test Equipment -	UG-119/UP

ADAPTER CONNECTOR UG-397/U

UNCTIONAL DESCRIPTION:

A portable, general purpose, right-angle type, broadband adapter, designed to ouple coaxial lines with type N fittings to standard rectangular waveguides. This dapter acts as a fix-tuned transformer which is especially satisfactory for meas- ring applications. It is used in field and depot testing.

ELATIONSHIP TO OTHER EQUIPMENT:

This unit is similar to Adapter Connectors UG-398/U, UG-400/U, and UG-446/U, xcept for frequency range and dimensions.

Similar to Sperry Model 249.

LECTROMECHANICAL DESCRIPTION:

ircuit Information: This adapter consists of a short section of standard rectangular waveguide with a section of coaxial line joining the broad face of the guide at right angles. The center conductor of the coaxial fitting extends into the waveguide forming a broadband antenna. A shorting plate, UG-51/U, closes one end of the

(Continued)

	AIR FORCE	NAVY	ARMY
YPE CLASS.			
TOCK NOS.			
ROCUREM'T INFO.: USAF Dwg. No. DL-48B58123; ASESA Dwg. No. AS 2022			
ROCUREM'T COG.: USAF		DESIGN COG.: USAF, Rome	
.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.2.4	
- Electronics Test Equipment -			UG-397/U

project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

ADAPTER CONNECTOR UG-397/U

ELECTROMECHANICAL DESCRIPTION: (Continued)
waveguide and a standard flange coupling is mounted at the other end. A type jack which will fit RF Plug UG-21B/U terminates the coaxial line. This adapt effectively adapts RF Plug UG-21B/U to a 1.122" x 0.497" inside dimension wav guide.
Power Supply: None.
Frequency Range: 7050 to 10,000 megacycles per second.
Impedance (Nominal coaxial): 50 ohms.
Voltage Standing Wave Ratio: 1.35 (maximum).

MANUFACTURERS' OR CONTRACTORS' DATA:
Sperry Gyroscope Company, Inc., Great Neck, Long Island, New York; US. Contract No. W28-099-ac-177.

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:
Sperry Final Engineering Report.

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weig Pack (Lbs
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weig (Lbs
				H	W	D	
1	Adapter Connector UG-397/U	Silver Plated Brass		2-1/4	1-7/8	1-1/2	0.5

ADAPTER CONNECTOR UG-398/U

NCTIONAL DESCRIPTION:

A portable, general purpose, right-angle type, broadband adapter, designed to ple coaxial lines with type N fittings to standard rectangular waveguides. This pter acts as a fix-tuned transformer which is especially satisfactory for measnent applications. It is used in field and depot testing.

LATIONSHIP TO OTHER EQUIPMENT:

This unit is similar to Adapter Connectors UG-397/U, UG-400/U, and UG-446/U, ept for frequency range and dimensions.
imilar to Sperry Model 204.

ECTROMECHANICAL DESCRIPTION:

cuit Information: This adapter consists of a short section of standard rectangular vaveguide with a section of coaxial line joining the broad face of the guide at right ngles. The center conductor of the coaxial fitting extends into the waveguide orming a broadband antenna. A shorting plate closes one end of the waveguide

(Continued)

	AIR FORCE	NAVY	ARMY
PE CLASS.			
CK NOS.	8850-109283		
OCUREM'T INFO.: USAF Dwg. No. DL-48C58148, ASESA Dwg. No. AS2023			
OCUREM'T COG.: USAF		DESIGN COG.: USAF, Rome	
.I.N.:		FUNCTIONAL CLASS. NO.: 11.2.4	
- Electronics Test Equipment -			UG-398/U

ect was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

ADAPTER CONNECTOR UG-398/U

ELECTROMECHANICAL DESCRIPTION: (Continued)

and a standard flange-coupling, UG-344/U, is mounted at the other end. A type N jack which will fit RF Plug UG-21B/U terminates the coaxial line. This adapter effectively adapts RF Plug UG-21B/U to a 1-3/8" x 5/8" inside dimension waveguide.

Power Supply: None.

Frequency Range: 5850 to 8200 megacycles per second.

Impedance (Nominal coaxial): 50 ohms.

Voltage Standing Wave Ratio: 1.22 maximum.

MANUFACTURERS' OR CONTRACTORS' DATA:

Sperry Gyroscope Company, Inc., Great Neck, Long Island, New York; USAF Contract No. W-28-099-ac-177.

TUBE COMPLEMENT:

None.

REFERENCE DATA AND LITERATURE:

Sperry Final Engineering Report.

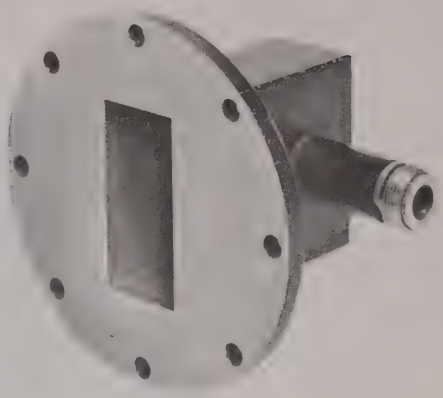
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	
1	Adapter Connector UG-398/U (Export package type 1/1A8 used).					

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Adapter Connector UG-398/U	Silver plated brass	8850-109283	3-3/8	3-1/8	2-1/2	1.0

ADAPTER CONNECTOR UG-399/U



FUNCTIONAL DESCRIPTION:

Connects a Rectangular Waveguide (2" x 1" x 0.064") such as RG-49/U to a type N Plug such as UG-21D/U.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/ALT-6, -6A.
Similar to Sperry Model 248.

ELECTROMECHANICAL DESCRIPTION:

Frequency Range: 3950 to 6000 megacycles per second.
Maximum Voltage: 500 volts.
Impedance: 50 ohms.
Voltage Standing Wave Ratio: 1.35:1.
Temperature: Moderate.
Weatherproof: No.
Pressurized: No.
Shape: Rectangular.
Material: Silver-plated brass.
Insert: Copolymerstyrene (Commercial Rexolite 1422).
Contacts: Cover Plate UG-149A/U on one end, one type N RF Jack such as UG-23B/U on other end.
Type: Right angle.
Dimensions: 2-3/4" x 3-5/8" x 3-5/8".
Weight: 1.2 pounds.

MANUFACTURERS' OR CONTRACTORS' DATA:

Sperry Gyroscope Company, Great Neck, Long Island, New York; USAF Contract W-28-099-ac-187.

STOCK NOS:	
PROCUREM'T INFO:	Dwg. AS-2032.
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.2.4
- Electronics Test Equipment -	UG-399/U

ject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

ADAPTER CONNECTOR UG-400/U

UNCTIONAL DESCRIPTION:

A portable, general purpose, right-angle type, broadband adapter, designed to uple coaxial lines with type N fittings to standard rectangular waveguides. This apter acts as a fix-tuned transformer which is especially satisfactory for meas-ement applications. It is used in field and depot testing.

ELATIONSHIP TO OTHER EQUIPMENT:

This unit is similar to Adapter Connectors UG-397/U, UG-398/U, and UG-446/U, cept for frequency range and dimensions.
Similar to Sperry Model 250.

LECTROMECHANICAL DESCRIPTION:

rcuit Information: This adapter consists of a short section of standard rectangular waveguide with a section of coaxial line joining the broad face of the guide at right angles. The center conductor of the coaxial fitting extends into the waveguide forming a broadband antenna. A shorting plate, UG-53/U, closes one end of the

(Continued)

	AIR FORCE	NAVY	ARMY
YPE CLASS.			
TOCK NOS.	8850-109285		
ROCUREM'T INFO.: USAF Dwg. No. DL-48C58164			
ROCUREM'T COG.: USAF		DESIGN COG.: USAF, Rome	
.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.2.4	
- Electronics Test Equipment -			UG-400/U

roject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

ADAPTER CONNECTOR UG-400/U

ELECTROMECHANICAL DESCRIPTION: (Continued)
waveguide and a standard flange-coupling is mounted at the other end. A type jack which will fit RF Plug UG-21B/U terminates the coaxial line. Effectivel this adapter adapts RF Plug UG-21B/U to a 2-7/8" x 1-3/8" inside dimensio waveguide.

Power Supply: None.

Frequency Range: 2600 to 3950 megacycles per second.

Impedance (Nominal coaxial): 50 ohms.

Voltage Standing Wave Ratio: 1.28 maximum.

MANUFACTURERS' OR CONTRACTORS' DATA:
Sperry Gyroscope Company, Inc., Great Neck, Long Island, New York; USA Contract No. W28-099-ac-187.

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:
Sperry Final Engineering Report.

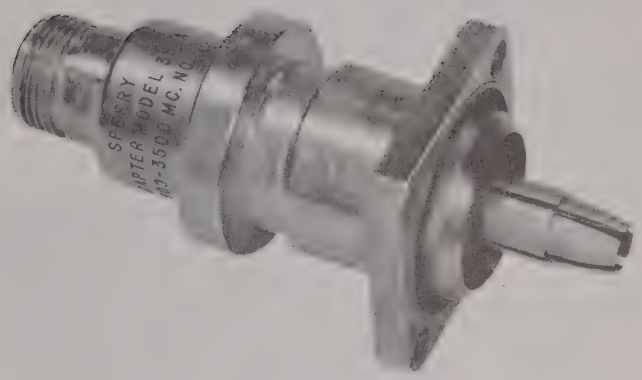
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weigh Packe (Lbs.
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weigh (Lbs.
				H	W	D	
1	Adapter Connector UG-400/U	Silver plated brass	8850-109285	6	5-1/2	3-1/2	3.25

ADAPTER CONNECTOR UG-402/U



UNCTIONAL DESCRIPTION:

A portable, general purpose, broadband adapter designed to couple rigid coaxial es to equipment having type N plug connectors. It provides simple broadband nsitions for microwave power. This adapter acts as a low-pass filter which is ecially satisfactory for measurement applications. It is used in organizational, d, and depot testing. It adapts 7/8" coaxial cable to RF Plug UG-21B/U.

LATIONSHIP TO OTHER EQUIPMENT:

Similar to Sperry Model 352A.

ECTROMECHANICAL DESCRIPTION:

cuit Information: This adapter consists of a very short section of bead-supported rigid coaxial line terminated at one end by a standard AN connector and at the other end by a type N jack. The transition from the coaxial line to type N connector is made through steps in the inner and outer conductors which maintain a critical ratio between conductor diameters and provide a low-pass network that

(Continued)

	AIR FORCE	NAVY	ARMY
YPE CLASS.			
OCK NOS.	8850-109315		
ROCUREM'T INFO.: USAF Dwg. No. DL-48C58189			
ROCUREM'T COG.: USAF		DESIGN COG.: USAF, Rome	
I.I.N.:		FUNCTIONAL CLASS. NO.: 11.2.4	
- Electronics Test Equipment -			UG-402/U

oject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

ADAPTER CONNECTOR UG-402/U

ELECTROMECHANICAL DESCRIPTION: (Continued)

minimizes reflections within the specified frequency range. The inner conduc is supported by special dielectric beads which hold it rigidly in place.

Power Supply: None.

Frequency Range: 0 to 4000 megacycles per second.

Voltage Standing Wave Ratio: 1.10, maximum.

Impedance: 50 ohms, nominal coaxial.

MANUFACTURERS' OR CONTRACTORS' DATA:

Sperry Gyroscope Company, Great Neck, Long Island, New York; USAF Co tract No. W-28-099-ac-187.

TUBE COMPLEMENT:

None.

REFERENCE DATA AND LITERATURE:

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weig Pack (Lbs
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weig (Lbs
				H	W	D	
1	Adapter Connector UG-402/U	Silver Plated Brass	8850-109315	3-1/8	1	1	0.5

ADAPTER CONNECTOR UG-446/U
(CONNECTOR, ADAPTER, UG-446/U)

NCTIONAL DESCRIPTION:

A portable, general purpose, right-angle type, broadband adapter, designed to ple coaxial lines with type N fittings to standard rectangular waveguides. This pter acts as a fix-tuned transformer which is especially satisfactory for measment applications. It is used in field and depot testing.

LATIONSHIP TO OTHER EQUIPMENT:

This unit is similar to Adapter Connectors UG-397/U, UG-398/U, and UG-400/U ept for frequency range and dimensions.
Similar to Sperry Model 167A.

ECTROMECHANICAL DESCRIPTION:

cuit Information: This adapter consists of a short section of standard rectangular waveguide with a section of coaxial line joining the broad face of the guide at right angles. The center conductor of the coaxial fitting extends into the waveguide forming a broadband antenna. A shorting plate closes one end of the waveguide and a standard flange-coupling is mounted at the other end. A type N jack which will fit RF Plug UG-21B/U terminates the coaxial line. Effectively, this adapter adapts RF Plug UG-21B/U to a 1" x 1/2" outside dimensions waveguide.

(Continued)

	AIR FORCE	NAVY	ARMY
PE CLASS.			
OCK NOS.	7CAC-222470		
OCUREM'T INFO.: USAF Dwg. DL-48B58111			
OCUREM'T COG.: USAF		DESIGN COG.: USAF, Rome	
I.I.N.:		FUNCTIONAL CLASS. NO.: 11.2.4	
- Electronics Test Equipment -			UG-446/U

ject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

ADAPTER CONNECTOR UG-446/U
(CONNECTOR, ADAPTER, UG-446/U)

ELECTROMECHANICAL DESCRIPTION: (Continued)
Power Supply: None.
Frequency Range: 8200 to 12,400 megacycles per second.
Impedance (Nominal coaxial): 50 ohms.
Voltage Standing Wave Ratio: 1.35 maximum.

MANUFACTURERS' OR CONTRACTORS' DATA:
Sperry Gyroscope Company, Inc., Great Neck, New York; USAF Contract N W-28-099-ac-187.

Kings Microwave Company Inc., Tuckahoe 7, New York; Contract No. AF 33(038 18095, dated 28 December 1950; Contract No. AF 33(038)22849, dated 23 March 19 Contract No. AF 33(038)26466, dated 14 May 1951.

Variety Aircraft Corporation, Dayton, Ohio, Contract No. AF 33(038)22870, dat 23 March 1951; Contract No. AF 33(038)28351, dated 20 June 1951.

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weig Pack (Lbs
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weig (Lbs
				H	W	D	
1	Adapter Connector UG-446/U	Silver plated brass	7CAC-222470	2-1/2	1-5/8	1	0.2

ADAPTER CONNECTOR UG-552/U
(ADAPTER, COAXIAL TO WAVEGUIDE, UG-552/U)

FUNCTIONAL DESCRIPTION:

Couples RF Line RG-69/U or Waveguide RG-103/U to type N Jacks. (Waveguide dimensions: 6-1/2" x 3-1/4".)

RELATIONSHIP TO OTHER EQUIPMENT:

To be replaced by UG-953/U.
Similar to Sperry Model 144A.

ELECTROMECHANICAL DESCRIPTION:

Frequency Range: 1120 to 1365 megacycles per second.
Maximum Voltage: 500 volts.
Impedance: 50 ohms.
Voltage Standing Wave Ratio: Less than 1.35.
Temperature: Moderate.
Weatherproof: No.
Pressurized: No.
Shape: Rectangular.
Material: Silver-plated brass.
Insert: Teflon.
Contacts: Type N plug on one end and Waveguide Flange UG-417/U on other end.
Type: Right Angle.
Dimensions: 7-1/2" x 8-5/8" x 4". (3/8" diameter maximum cable opening in plug. Flange has 10 mounting holes 1/4" diameter spaced 2-3/8" apart.)
Weight: 3 pounds.

MANUFACTURERS' OR CONTRACTORS' DATA:

Carl W. Schutter, Rockville Centre, New York. Order No. (28-099)50-813 (USAF).

STOCK NOS: (USAF) 7CAC-222840.
PROCUREM'T INFO: Dwg. X50C55057 (USAF).
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11. 2. 4
- Electronics Test Equipment - UG-552/U

roject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

COAXIAL TO WAVEGUIDE ADAPTER UG-953/U

FUNCTIONAL DESCRIPTION:

Connects a Rectangular Waveguide (6.5' x 3.25" x 0.080") such as RG-69/U to a coaxial line.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/FPS-3, -3A, -8, AN/MPS-7, -11.

ELECTROMECHANICAL DESCRIPTION:

Frequency Range: 1120 to 1700 megacycles per second.
Maximum Voltage: 500 volts.
Impedance: 50 ohms.
Voltage Standing Wave Ratio: 1.2:1.
Temperature: Moderate.
Weatherproof: No.
Pressurized: No.
Shape: Rectangular.
Material: Silver-plated brass.
Insert: Teflon.
Contacts: One Waveguide Flange UG-417A/U on one end, one RF Jack UG-20B/U on other end.
Type: Right angle.
Dimensions: 5-3/4" x 8-3/4" x 8-1/4".
Weight: 4 pounds.

MANUFACTURERS' OR CONTRACTORS' DATA:

Specialty Spraying and Machine Company, New York 17, New York. Contract AF 33(604)9049 dated 28 October 1953; Approximate Cost per Unit, $129.30.

STOCK NOS:	
PROCUREM'T INFO:	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.2.4
- Electronics Test Equipment -	UG-953/U

ject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

PULSE CONVERTER
MODEL 840A
(Bird Electronic Corporation)

JNCTIONAL DESCRIPTION:
A portable, general purpose, test instrument used in conjunction with a calibrated cilloscope to measure the peak power of pulsed radio frequency transmitters. A ibration chart is furnished showing peak video volts vs. peak radio frequency tts.

:LATIONSHIP TO OTHER EQUIPMENT:
Used to test Radar Sets such as AN/APX-7.

.ECTROMECHANICAL DESCRIPTION:
rcuit Information: A crystal rectifier is coupled across a termaline load resistor. The pulsed radio frequency power is fed into the load resistor and dissipated there with negligible radiation. A fraction of the radio frequency voltage is applied to a crystal, and is rectified there into video pulses which appear at the output connector. A radio frequency isolating filter is included between crystal and output connector.
wer Supply: None required.
equency Range: 900 to 1200 megacycles per second.
wer Range: 100 to 1000 peak watts. (Average power not to exceed 5 watts continuous.)

(Continued)

	AIR FORCE	NAVY	ARMY
YPE CLASS.			
'OCK NOS.			
ROCUREM'T INFO.:			
ROCUREM'T COG.:		DESIGN COG.: Commercial	
I.I.N.:		FUNCTIONAL CLASS. NO.: 11.4.2	
		- Electronics Test Equipment - Bird Electronic 840A	

'oject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

PULSE CONVERTER
MODEL 840A
(Bird Electronic Corporation)

ELECTROMECHANICAL DESCRIPTION: (Continued)

Impedance: 51.5 ohms.
Voltage Standing Wave Ratio: Less than 1.2.
Accuracy: ±5%.
Input Connector: Rigid HN male plug.

MANUFACTURERS' OR CONTRACTORS' DATA:

Bird Electronic Corporation, 1800 East 38th Street, Cleveland 14, Ohio; Contr
No. AF 33(038)21553; Approximate Cost per Unit, $67.00.

TUBE COMPLEMENT:

1 Crystal Rectifier.

REFERENCE DATA AND LITERATURE:

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Wei Pack (Lb
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock (USAF) Numbers (Navy) (Army)	Overall Dimensions (inches)			Wei (Lb
				H	W	D	
1	Pulse Converter Model 840A			7/8	2-1/2	3-1/4	
1	Output Cable RG-58/U terminated in Plug UG-88/U		1600-010732100 8850-488450	32 long			
						Total:	2

RADIO TEST KIT MK-136/ARC-21
(TEST KIT, RADIO, MK-136/ARC-21)

NCTIONAL DESCRIPTION:

A special purpose kit made up of eleven cables, three tools, and a carrying case. e cables serve as extensions to permit removal of subassemblies of a radio set servicing and testing while the subassemblies are still interconnected for operation.

LATIONSHIP TO OTHER EQUIPMENT:

This kit is used in testing and servicing Radio Sets AN/ARC-21, -21X, and AN/R-36.

ECTROMECHANICAL DESCRIPTION:

wer Supply: None.

erconnections:

RF Cable Assembly CG-1109/ARC-21 delivers 1.5 to 12.9 megacycles per second signal from RF Oscillator [illegible]0/ARC-21 to Amplifier-Oscillator AM-776/ARC-21 when either one is removed from Radio Receiver-Transmitter RT-128/ARC-21.

(Continued)

	AIR FORCE	NAVY	ARMY
'PE CLASS.			
OCK NOS.	7CAC-801316-6		
.OCUREM'T INFO.:			
.OCUREM'T COG.: USAF		DESIGN COG.: USAF, C&N	
I.I.N.:		FUNCTIONAL CLASS. NO.: 11.2.5	
- Electronics Test Equipment -			MK-136/ARC-21

oject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

RADIO TEST KIT MK-136/ARC-21
(TEST KIT, RADIO, MK-136/ARC-21)

ELECTROMECHANICAL DESCRIPTION: (Continued)

Electrical Lead CX-2375/ARC-21 delivers plate voltage to AF Amplifier A 773/ARC-21 and RF Amplifier AM-774/ARC-21 when AM-773/ARC-2 removed from the main frame.

Electrical Lead CX-2376/ARC-21 delivers quadrature voltage from RF Ampli AM-774/ARC-21 to the discriminator in Amplifier-Oscillator AM-776/ARC when removed from the main frame.

RF Cable Assembly CG-1077/ARC-21 delivers 500 kilocycles per second sig from RF Oscillator O-180/ARC-21 to Amplifier-Detector AM-777/ARC when it is removed from the main frame, and 600 to 1100 kilocycles per s ond signal from O-180/ARC-21 to Amplifier-Filter Assembly AM-775/AR 21 when it is removed from the main frame.

Special Purpose Electrical Cable Assembly CX-2157/U is used to interconn Amplifier-Filter Assembly AM-775/ARC-21 or RF Oscillator O-180/ARC into the chassis of Receiver-Transmitter RT-128/ARC-21 when either one removed from the main frame.

Special Purpose Electrical Cable Assembly CX-2158/U is used to interconn AF Amplifier AM-773/ARC-21, RF Amplifier AM-774/ARC-21, Amplifi Oscillator AM-776/ARC-21, Amplifier-Detector AM-777/ARC-21, Re Assembly RE-134/ARC-21, Relay Assembly RE-135/ARC-21, Relay Assem RE-136/ARC-21, or Selector Control Sub-Assembly MX-1425/ARC-21 the chassis of Receiver-Transmitter RT-128/ARC-21 when any one of th is removed from the main frame.

MANUFACTURERS' OR CONTRACTORS' DATA:

Radio Corporation of America, Camden, New Jersey; USAF Contract AF 33(6 24390 dated 25 April 1953; RCA Dwg. C-748613.

TUBE COMPLEMENT:

None.

REFERENCE DATA AND LITERATURE:

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Over-all Dimensions (inches)			Wei Pack (Lb
			H	W	D	

RADIO TEST KIT MK-136/ARC-21
(TEST KIT, RADIO, MK-136/ARC-21)

UIPMENT SUPPLIED:

ant. r pt	Name and Nomenclature	Case Mat'l	Stock (USAF) Numbers (Navy) (Army)	Over-all Dimensions (inches) H	W	D	Weight (Lbs.)
	Radio Test Kit MK-136/ARC-21 Including:	Alum-inum	7CAC-801316-6				6.875
	Test Kit Case, CY-1408/ARC-21	Alum-inum		5-1/2	9-3/4	9-3/8	
	Electrical Lead, CX-2375/ARC-21			24 long			
	Electrical Lead, CX-2376/ARC-21			10 long			
	RF Cable Assembly CG-1077/ ARC-21			12 long			
	RF Cable Assembly CG-1109/ARC-21			10 long			
	Special Purpose Electrical Cable Assembly CX-2157/U			30 long			
	Special Purpose Electrical Cable Assembly CX-2158/U			30 long			
	Alignment Tool						
	Wrench No. 4 Bristo						
	Wrench No. 6 Bristo						

CORD CD-627

FUNCTIONAL DESCRIPTION:

A special purpose, power cable assembly used in testing Radio Set SCR-270-DA.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Plug PL-55.
2 Spade Lugs (Thomas and Betts Type A-115 or equal).
1 Cable, stranded, No. 18 AWG, with rubber insulated, copper braid shielding.

Length:	STOCK NUMBERS: (USAF)	(Army)
10 feet 0 inch	7CAC-170264-9997	3E1627
10 feet 0 inch	7CMD-ES-D10954	

MANUFACTURERS' OR CONTRACTORS' DATA:

Local manufacture.

STOCK NOS: (See above)	
PROCUREM'T INFO: Dwg. No. ES-D-10954 (SigC)	
COGNIZANCE:	FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment -	CD-627

Project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CORD CD-663

FUNCTIONAL DESCRIPTION:

A general purpose power cable assembly used with Test Set RC-70-A.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Parts:

2 Plugs PL-55.

1 Cable, two conductors, stranded, No. 16 AWG, with rubber insulated, copper braid shield.

Length:	STOCK NUMBERS: (USAF)	(Army)
10 feet 0 inch	7CAC-170264-98	3E1663
10 feet 0 inch	7CMD-ES-D10954	

MANUFACTURERS' OR CONTRACTORS' DATA:

Local manufacture.

STOCK NOS: (See above)	
PROCUREM'T INFO: Dwg. No. ES-D-10954 (SigC)	
COGNIZANCE:	FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment -	CD-663

roject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CORD CD-800

FUNCTIONAL DESCRIPTION:

A general purpose cable assembly used to connect Test Set TS-23/APN to Radio Receiver and Transmitter BC-788-A. It also connects Alignment Test Set I-231 to Radio Transmitter BC-1212 or to Radio Receiver BC-1213.

RELATIONSHIP TO OTHER EQUIPMENT:

Superseded by Cord CG-107/U.

ELECTROMECHANICAL DESCRIPTION:

Parts:

2 Plugs PL-259 or PL-259-A.

1 Cable WC-549, RG-31/U, or RG-8/U.

Length:	STOCK NUMBERS: (USAF)	(Army)
1 foot 0 inch	1600-321855312	3E1800-12
1 foot 8 inches	1600-321855315	3E1800-20
1 foot 9 inches	1600-321855317	3E1800-21
2 feet 6 inches	1600-321855322	3E1800-30
2 feet 7 inches	1600-321855330	3E1800-33.1
3 feet 0 inch	1600-321855338	3E1800-36
3 feet 2 inches	1600-321855348	3E1800-38
5 feet 0 inch	1600-321855351	3E1800-60
8 feet 0 inch	1600-321855360	3E1800-96
10 feet 0 inch	1600-321855365	3E1800-120
15 feet 6 inches	1800-132336311	
50 feet 0 inch	1600-321855379	3E1800-600

MANUFACTURERS' OR CONTRACTORS' DATA:

Local manufacture.

STOCK NOS: (See above)	
PROCUREM'T INFO: Army Dwg. No. SC-D-7469	
COGNIZANCE:	FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment -	CD-800

project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CORD CD-1099

FUNCTIONAL DESCRIPTION:

A special purpose RF cable assembly used for interconnections between Range Calibrator I-223-A and a test oscilloscope.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Plug PL-55.
2 Spade Lugs, USAF Stock No. 8880-396316529.
1 Cable RG-59A/U.

Length: 6 feet 0 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Belmont Radio Corporation, Chicago, Illinois; USAF Contract No. W-2279-sc-460; Order No. 3200-SCRL-43; Dwg. No. DP-43-5-79.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			Standard
STOCK NOS.	1800-322014127		3E1999-99
PROCUREM'T INFO.:			
PROCUREM'T COG.:		DESIGN COG.:	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.2.6	
- Electronics Test Equipment -			CD-1099

is project was supported by the USAF on Contract AF 33(600)-5276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CORD CD-1100

FUNCTIONAL DESCRIPTION:

A general purpose, single conductor, test cable assembly.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Plug PL-55.
3 Spade Lugs.
1 Cable, No. 20, shielded, rubber covered microphone cable.

Capacity: 0.25 microfarad per foot.
Length: 6 feet 0 inch.
Outside Diameter: 0.250 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Belmont Radio Corporation, Chicago, Illinois; USAF Contract No. W-2279-sc-60; Order No. 3200-SCRL-43; Dwg. No. DP-43-S-79.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			Standard
STOCK NOS.	1800-322014129		3E1999-100
PROCUREM'T INFO.:			
PROCUREM'T COG.:		DESIGN COG.:	
T.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.2.6	
		- Electronics Test Equipment -	CD-1100

Project was supported by the USAF on Contract AF 33(600) -276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CABLE CD-1101

UNCTIONAL DESCRIPTION:

A special purpose cable assembly used for interconnections between Range Calibrator I-223-A and radar components under test.

ELATIONSHIP TO OTHER EQUIPMENT:

LECTROMECHANICAL DESCRIPTION:

arts:
2 Plugs PL-55.
1 Cable, USAF Stock No. 8860-363000-211.
ength: 6 feet 0 inch.

ANUFACTURERS' OR CONTRACTORS' DATA:

Belmont Radio Corporation, Chicago, Illinois; Dwg. No. B-201-843; SigC Order os. 3200-SCRL-43 and 14694-PHILA-48-77.

	AIR FORCE	NAVY	ARMY
YPE CLASS.			Standard
TOCK NOS.	7CAC-170270-1426		3E1999-101
ROCUREM'T INFO.:			
ROCUREM'T COG.:		DESIGN COG.:	
.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.2.6	
- Electronics Test Equipment -			CD-1101

roject was supported by the USAF on Contract AF 33(600) 76 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CORD CD-1103

NCTIONAL DESCRIPTION:

A general purpose test cable used with equipment such as Signal Generator 22-A.

LATIONSHIP TO OTHER EQUIPMENT:

LECTROMECHANICAL DESCRIPTION:

rts:
1 Plug PL-259.
1 Plug PL-55.
1 Cable, No. 20, shielded, rubber covered, microphone cable; or RF Cable RG-54/U.
ngth: 2 feet 9 inches.
tside Diameter: 0.250 inch.

ANUFACTURERS' OR CONTRACTORS' DATA:

Belmont Radio Corporation, Chicago, Illinois; USAF Contract No. W-2279-sc-0; Order No. 3200-SCRL-43; Dwg. No. DP-43-5-79.

	AIR FORCE	NAVY	ARMY
YPE CLASS.			Standard
TOCK NOS.	1800-322014132		3E1999-103
ROCUREM'T INFO.:			
ROCUREM'T COG.:		DESIGN COG.:	
.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.2.6	
- Electronics Test Equipment -			CD-1103

project was supported by the USAF on Contract AF 33(600). 6 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CORD CD-1104

UNCTIONAL DESCRIPTION:

A general purpose test cable used in testing equipment such as Signal Generator 222-A.

ELATIONSHIP TO OTHER EQUIPMENT:

LECTROMECHANICAL DESCRIPTION:

arts:

2 Plugs PL-259.

1 Cable, No. 20, shielded, rubber covered, microphone cable; or RF Cable RG-54/U.

ength: 2 feet 10 inches.

utside Diameter: 0.250 inch.

ANUFACTURERS' OR CONTRACTORS' DATA:

Belmont Radio Corporation, Chicago, Illinois; USAF Contract No. W-2279-sc-60; Order No. 3200-SCRL-43; Dwg. No. DP-43-5-79.

	AIR FORCE	NAVY	ARMY
YPE CLASS.			Standard
TOCK NOS.	1800-322014133		3E1999-104
ROCUREM'T INFO.:			
ROCUREM'T COG.:		DESIGN COG.:	
.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.2.6	

roject was supported by the USAF on Contract AF 33(600)-376 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CORD CG-40/TPS-1

(CABLE ASSEMBLY, RADIO FREQUENCY CG-40/TPS-1)

FUNCTIONAL DESCRIPTION:

Connects a modulator such as MD-32/TPS-1B to a radar transmitter such as T-76/TPS-1B.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/TPS-1B, -1C.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Plug Assembly W. E. Co. BL-105703 and
1 Coupling Nut W. E. Co. BP-100512-2;
1 Receptacle Assembly W. E. Co. BL-105703 and
1 Coupling Nut W. E. Co. ESP-660569-2.
1 RF Cable RG-64/U (W. E. Co. D-164189).

Length:	Stock Numbers (USAF)	(ARMY)
(to be specified)	1800-132336044	1F430-40
6 feet 0 inches	1800-132336045	1F430-40.72

Outside Diameter: 0.495 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Western Electric Company, 195 Broadway, New York 7, New York; Navy Contract NXsr-38866. W. E. Co. Dwg. BA-472696-1, and B-4105041-11.

STOCK NOS: (See Electromechanical Description)	
PROCUREM'T INFO:	
COGNIZANCE: Navy, BuShips	FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment -	CG-40/TPS-1

roject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CORD CG-55B/U

(CABLE ASSEMBLY, RADIO FREQUENCY CG-55B/U)

FUNCTIONAL DESCRIPTION:

A general purpose, coaxial, RF cable assembly for use with equipments such as Test Oscillator TS-508/UP, RF Wattmeter TS-87/AP, Switch Assembly SA-153/U, and Direction Finder Set AN/URD-2.

RELATIONSHIP TO OTHER EQUIPMENT:

Similar to Cord CG-55/U and CG-55A/U except the "B" uses RF Plug UG-21B/U instead of UG-21/U or UG-21A/U.

Used in testing C-1 Mobile Control Tower, AN/ARC-3, -27, -33, -34, AN/MRC-20.

ELECTROMECHANICAL DESCRIPTION:

Parts: 2 RF Plug UG-21B/U.
1 RF Cable RG-8/U.
Length: 3 feet 0 inch.
Outside Diameter: 0.405 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Seaboard Electric Company, 145 Hudson Street, New York 13, New York; Navy Contract NOas 51-1113; Seaboard Dwg. 118015.

STOCK NOS: (USAF) 1800-322849101, (Army) 3E6015-55B.1.
PROCUREM'T INFO: Specification MIL-T-7144 (Aer).
COGNIZANCE: Navy, BuAer FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment - CG-55B/U

CORD CG-60/AP

(CABLE ASSEMBLY, RADIO FREQUENCY,CG-60/AP)

FUNCTIONAL DESCRIPTION:

Connects either a Signal Generator such as TS-35/AP or a Power Meter such as TS-36/AP to a Horn Antenna such as AT-39/AP or to a choke fitting on a radar transmitter.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/MSQ-1, -1A, -2.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 RF Jack UG-23/U.
1 RF Cable RG-8/U.
1 Waveguide Choke WECO, Dwg. No. BO411122-4.

	Stock Numbers	
Length:	(USAF)	(Army)
5 feet 0 inches	7CWX-BL431313-1	1F430-60.60
6 feet 0 inches	7CAC-170265-255	1F430-60.72
8 feet 0 inches	1800-020694050	

Outside Diameter: 0.405 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Western Electric Company, New York 7, New York; Purchase Plan AF-44-3050, Western Electric Dwg. No. BL-431313-1.

STOCK NOS: (See Electromechanical Description).
PROCUREM'T INFO: Spec. JAN-C-17A, Spec. 471-5035 (SigC) Dwg. RE49F402 (Navy)
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment - CG-60/AP

project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CORD CG-67/MRQ-2
(CABLE ASSEMBLY, RADIO FREQUENCY CG-67/MRQ-2)

FUNCTIONAL DESCRIPTION:

Connects an Antenna Control Box such as C-109/MRQ-2 to an Antenna Switching Unit such as SA-24/MRQ-2.

RELATIONSHIP TO OTHER EQUIPMENT:

Cord CG-547/U is preferred.

ELECTROMECHANICAL DESCRIPTION:

Parts: 2 Plugs PL-259.
1 RF Cable RG-11/U.

Length:	Stock Numbers: (USAF)	(ARMY)
3 feet 0 inch	1800-150430681	1F430-67.36
8 feet 0 inch	1800-150430682	1F430-67.96
15 feet 0 inch	1800-150430683	1F430-67.180
35 feet 0 inch	1800-150430686	1F430-67.420

Outside Diameter: 0.415 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Barker and Williamson, Inc., 237 Fairfield Avenue, Upper Darby, Pennsylvania.

STOCK NOS: (See Electromechanical Description).	
PROCUREM'T INFO: Army Dwg. SC-D-16258	
COGNIZANCE: Army, SigC	FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment -	CG-67/MRQ-2

roject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CORD CG-70/MPM-10

(CABLE ASSEMBLY, RADIO FREQUENCY CG-70/MPM-10)

FUNCTIONAL DESCRIPTION:

Connects either an Echo Box such as TS-207/UP or a Signal Generator such as TS-155A/UP to an Antenna Assembly such as AS-23/AP.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing:

AN/CPS-1
AN/CPS-4
AN/FPS-6
AN/MPN-1
AN/MPN-1C
AN/MPS-5
AN/MPS-14
AN/TPS-10
AN/TPS-10A
BN-2
RC-127-A
RC-350
RC-351

Cord CG-92/U is preferred.

ELECTROMECHANICAL DESCRIPTION:

Parts:

2 RF Plug UG-21B/U
1 RF Cable RG-9B/U

Length: 15 feet 0 inches.
Outside Diameter: 0.42 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Western Electric Company, New York 7, New York.

STOCK NOS:	USAF 7CAC-170265-43 1800-020693085	ARMY (SigC) 1F430-70
PROCUREM'T INFO:	Spec. JAN-C-17A, Dwg. RE49F188 (Navy), Dwg: SC-D-11881 (SigC).	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.2.6	
- Electronics Test Equipment -		CG-70/MPM-10

CORD CG-71/MPM-10

(CABLE ASSEMBLY, RADIO FREQUENCY CG-71/MPM-10)

FUNCTIONAL DESCRIPTION:

Connects an Echo Box such as TS-207/UP to the terminal box of the prime equipment.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing:

AN/CPS-5
AN/MPS-5

Cord CG-67/MRQ-2 is preferred.

ELECTROMECHANICAL DESCRIPTION:

Parts:

2 Plug PL-259
1 RF Cable RG-11/U

Length: 6 feet 0 inches.
Outside Diameter 0.405 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Western Electric Company, New York 7, New York.

STOCK NOS: (USAF) 7CAC-472692. (SigC) 1F430-71.	
PROCUREM'T INFO: Spec.JAN-C-17A. Dwg SC-D-11881 (SigC).	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment -	CG-71/MPM-10

CORD CG-91/U

(LINE, RADIO FREQUENCY TRANSMISSION, CG-91/U)

FUNCTIONAL DESCRIPTION:
An RF transmission line for general purpose use.

RELATIONSHIP TO OTHER EQUIPMENT:
Used in testing AN/CPS-1 and AN/MPS-5.

ELECTROMECHANICAL DESCRIPTION:
Parts:
2 Plugs PL-259-A (Navy type 49195).
1 RF Cable RG-11/U.
Length: 6 feet, 4 inches.
Outside Diameter: 0.405 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:
Presto Recording Corporation, 242 West 55th Street, New York, New York; Approximate Cost per Unit, $2.80, May 1953.

STOCK NOS: (USAF) 7CAC-170265-523, (Army) 1F430-91
PROCUREM'T INFO:
COGNIZANCE: Navy, BuShips FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment - CG-91/U

ject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CORD CG-92B/U

(CABLE ASSEMBLY, RADIO FREQUENCY, CG-92B/U)

FUNCTIONAL DESCRIPTION:

Transfers RF energy from the output of a Horn-Target Assembly such as AS-405/APG to the input of an Antenna Control such as C-497/APG.

RELATIONSHIP TO OTHER EQUIPMENT:

Similar to CG-92A/U except the "B" uses RG-9A/U instead of the RG-9/U.

Used in testing AN/CRC-30 and AN/GRT-3.

ELECTROMECHANICAL DESCRIPTION:

Parts:

2 RF Plugs UG-21B/U.

1 RF Cable RG-9A/U.

	Stock Numbers	
Length:	(USAF)	(Army)
6 feet 0 inches	7CAC-170265-6	1F430-92B.72
10 feet 0 inches	7CAC-170265-2	3E6015-92B-120

Outside Diameter: 0.420 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Hewlett-Packard Company, 395 Page Mill Road, Palo Alto, California; Approximate Cost per Unit, $5.40, May 1953.

STOCK NOS: (See Electromechanical Description).
PROCUREM'T INFO: Specification JAN-C-17
COGNIZANCE: Navy, BuShips FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment - CG-92B/U

ject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CORD CG-100/U

(CABLE ASSEMBLY, RADIO FREQUENCY, CG-100/U)

FUNCTIONAL DESCRIPTION:

An adapter cord for general purpose testing.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/FPS-8 and AN/MPS-11.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 RF Cable RG-8/U.
1 Plug PL-259.
1 RF Plug UG-21/U.

Length:

7 feet 8-1/2 inches
24 feet 8-1/2 inches

Outside Diameter: 0.405 inch.

	Stock Numbers	
	(USAF)	(Army)
7 feet 8-1/2 inches	1800-322850480	3E6015-100.1
24 feet 8-1/2 inches	1800-322850481	3E6015-100.2

MANUFACTURERS' OR CONTRACTORS' DATA:

Local Manufacture.

STOCK NOS: (See Electromechanical Description).
PROCUREM'T INFO:
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment - CG-100/U

ject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CORD CG-107/U
(CABLE ASSEMBLY, RADIO FREQUENCY, CG-107/U)

FUNCTIONAL DESCRIPTION:

A general purpose, RF cable assembly for use with equipments such as Radar Set AN/TPX-4.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/APN-76, -76A.

Similar to Cord CD-800 except for marking.

ELECTROMECHANICAL DESCRIPTION:

Parts: 2 Plugs PL-259-A.
1 RF Cable RG-8/U.

Length:	Stock Numbers (USAF)	(Army)
1 foot 0 inch	1600-154431190	1F430-107.12
1 foot 2 inches	1600-154431195	1F430-107.14
1 foot 5 inches	1800-324763712	3E6015-107.4
1 foot 6 inches	1800-324763714	3E6015-107.6
1 foot 8 inches	1800-154431191	1F430-107.20
1 foot 9 inches	1600-154431192	1F430-107.21
2 feet 1/2 inch	1800-324763710	3E6015-107.2
2 feet 3 inches	1800-324763713	3E6016-107.5
2 feet 6 inches	1600-154431193	1F430-107.30
2 feet 9 inches	1600-154431194	1F430-107.33
3 feet 0 inch	1600-132336113	1F430-107.36
3 feet 4 inches	1600-160107040	1F430-107.40
4 feet 0 inch	1600-154431198	1F430-107.48
4 feet 0 inch	1600-322850487	3E6015-107
5 feet 0 inch	1600-154431200	1F430-107.60
5 feet 5 inches	1800-324763711	3E6015-107.3
5 feet 9 inches	1600-154431203	1F430-107.69
6 feet 0 inch	1800-154431205	1F430-107.72
8 feet 0 inch	1800-132336114	1F430-107.96
10 feet 0 inch	1600-150430774	1F430-107.120
10 feet 1 inch	1600-154431215	1F430-107.121
14 feet 6 inches	1600-154431217	1F430-107.174
14 feet 10 inches	1800-154431219	1F430-107.178
15 feet 6 inches	1800-154431230	1F430-107.186
48 feet 0 inch	7CAC-170265-66	1F430-107.576
50 feet 0 inch	1600-154431250	1F430-107.600

(Continued)

STOCK NOS: (See Electromechanical Description).	
PROCUREM'T INFO:	Army Dwg. SC-B-22831
COGNIZANCE: Navy, BuShips	FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment -	CG-107/U

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CORD CG-107/U

(CABLE ASSEMBLY, RADIO FREQUENCY, CG-107/U)

ELECTROMECHANICAL DESCRIPTION: (Continued)
Outside Diameter: 0.405 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:
Boonton Radio Corporation, Fanny Road, Boonton, New Jersey; Navy Contract NXsa-30263; Approximate Cost per Unit, $6.50, May 1953, for 48 foot length.

CORD CG-135/UP

(CABLE ASSEMBLY, RADIO FREQUENCY, CG-135/UP)

FUNCTIONAL DESCRIPTION:

Connects a Test Set such as AN/MPM-2 to a radio set.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing:

AN/MPQ-2
AN/MSQ-1
AN/MSQ-1A
AN/MSQ-2
SCR-584
SCR-584-A
SCR-584-B

Cord CG-92/U is preferred.

ELECTROMECHANICAL DESCRIPTION:

Parts:

2 RF Plugs UG-21B/U.
1 RF Cable RG-9B/U.

Length:	Stock Numbers (USAF)	(Army)
3 feet 4 inches.	7CAC-170265-415	3E6015-135.2
35 feet 4 inches.	7CAC-170265-423	3E6015-135.1

Outside Diameter: 0.42 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Local Manufacture.

STOCK NOS: (See Electromechanical Description).
PROCUREM'T INFO: Dwg. RE49F188 (Navy), Dwg. SC-D-12052, Group II (SigC)
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment - CG-135/UP

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CORD CG-136/UP

(CABLE ASSEMBLY, RADIO FREQUENCY CG-136/UP)

FUNCTIONAL DESCRIPTION:
Connects a Test Set such as AN/MPM-2 to a radio set.

RELATIONSHIP TO OTHER EQUIPMENT:
Used in testing AN/MPQ-2, AN/MSQ-1, -1A, -2.

ELECTROMECHANICAL DESCRIPTION:
Parts:
2 RF Plug UG-21/U.
1 RF Cable RG-9/U.
Over-all Length: 3 feet, 3 inches.
Outside Diameter: 0.42 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:
Local Manufacture.

STOCK NOS: (USAF) 1660-132336140, (SigC) 1F430-136.	
PROCUREM'T INFO: Dwg. RE49F188 (Navy) Dwg. SC-D-12052, Group III (SigC).	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment -	CG-136/UP

CORD CG-155/TPN-2

FUNCTIONAL DESCRIPTION:

Connects a Beacon Antenna Assembly such as AN/CPA-1 to the RF output of a Receiver-Transmitter such as RT-71/TPN-2.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/TPN-2.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 RF Cable RG-8/U.
1 Plug PL-259.
1 RF Plug UG-21/U.

Length: 1 foot 6 inches.
Outside Diameter: 0.405 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Fada Radio and Electric Company, Incorporated, 525 Main Street, Belleville, New Jersey; Contract W-28-004-sc-208, Army Order 884-MPD-44.

STOCK NOS:	(USAF) 1800-132336159, (SigC) 1F430-155.
PROCUREM'T INFO:	Spec. 471-2195 (SigC).
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.2.6

TRANSMISSION LINE CG-187/TPS-1B

FUNCTIONAL DESCRIPTION:

A transmission line for general purpose testing.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/TPS-1B, -1C.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 RF Jack UG-14/U;
1 RF Plug UG-12/U and
1 Amphenol 83-13C Cap and Chain, or equal;
1 RF Cable RG-8/U.

Length: 3 feet 0 inches.
Outside Diameter: 0.405 inches.

MANUFACTURERS' OR CONTRACTORS' DATA:

Western Electric Company, 120 Broadway, New York, New York.

STOCK NOS: (USAF) 1800-295540042, (Army) 2Z10006-187
PROCUREM'T INFO:
COGNIZANCE: Navy, BuShips FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment - CG-187/TPS-1B

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TRANSMISSION LINE CG-188/TPS-1B

FUNCTIONAL DESCRIPTION:

Connects a Test Set such as TS-172/UP to a Radar Receiver such as R-87/TPS-1B.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/TPS-1B, -1C.

ELECTROMECHANICAL DESCRIPTION:

Parts:

2 RF Plugs UG-12/U and
2 Amphenol 83-13C Cap and Chains, or equal;
1 RF Cable RG-8/U

Length: 3 feet 0 inch.
Outside Diameter: 0.405 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Western Electric Company, 120 Broadway, New York, New York.

STOCK NOS: 1800-132336192 (USAF); 1F430-188 (Army).
PROCUREM'T INFO:
COGNIZANCE: Navy, BuShips FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment - CG-188/TPS-1B

roject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CORD CG-227/CPS-1

(CABLE ASSEMBLY, RADIO FREQUENCY CG-227/CPS-1)

FUNCTIONAL DESCRIPTION:
Interconnects between components of a radar set.

RELATIONSHIP TO OTHER EQUIPMENT:
Used in testing AN/CPS-1.

ELECTROMECHANICAL DESCRIPTION:
Parts:
2 Plug PL-259-A.
1 RF Cable RG-11/U.
Over-all Length: 8 feet, 3-5/16 inches.
Outside Diameter: 0.405 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:
General Electric Company, Schenectady, New York; Army Order 473-MPD-43, G.E. Dwg. P-7768019.

STOCK NOS: (USAF) 1800-132336237, (SigC) 1F430-227.
PROCUREM'T INFO:
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment - CG-227/CPS-1

CORD CG-228/CPS-1

(CABLE ASSEMBLY, RADIO FREQUENCY CG-228/CPS-1)

FUNCTIONAL DESCRIPTION:
Interconnects between components of a radar set.

RELATIONSHIP TO OTHER EQUIPMENT:
Used in testing AN/CPS-1.

ELECTROMECHANICAL DESCRIPTION:
Parts:
2 Plugs PL-259-A.
1 RF Cable RG-11/U.
Over-all Length: 3 feet, 3-5/16 inches.
Outside Diameter: 0.405 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:
General Electric Company, Schenectady, New York, Army Order 473-MPD-43, G.E. Dwg. P-7768019.

STOCK NOS: (USAF) 1800-132336238, (SigC) 1F430-228.
PROCUREM'T INFO:
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment - CG-228/CPS-1

CORD CG-229/CPS-1

(CABLE ASSEMBLY, RADIO FREQUENCY CG-229/CPS-1)

FUNCTIONAL DESCRIPTION:
Interconnects between components of a radar set.

RELATIONSHIP TO OTHER EQUIPMENT:
Used in testing AN/CPS-1.

ELECTROMECHANICAL DESCRIPTION:
Parts:
2 Plugs PL-259-A.
1 RF Cable RG-11/U.
Over-all Length: 4 feet, 3-5/16 inches.
Outside Diameter: 0.405 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:
General Electric Company, Schenectady, New York; Army Order 473-MPD-43, G.E. Dwg. P-7768019.

STOCK NOS: (USAF) 1800-132336239, (SigC) 1F430-229.
PROCUREM'T INFO:
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment - CG-229/CPS-1

CORD CG-230/CPS-1

(CABLE ASSEMBLY, RADIO FREQUENCY CG-230/CPS-1)

FUNCTIONAL DESCRIPTION:
Interconnects between components of a radar set.

RELATIONSHIP TO OTHER EQUIPMENT:
Used in testing AN/CPS-1.

ELECTROMECHANICAL DESCRIPTION:
Parts:
2 Plugs PL-259-A.
1 RF Cable RG-11/U.
Over-all Length: 7 feet, 3-5/16 inches.
Outside Diameter: 0.405 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:
General Electric Company, Schenectady, New York; Army Order 473-MPD-43, G.E. Dwg. P-7768019.

STOCK NOS: (USAF) 1800-132336240, (SigC) 1F430-230.
PROCUREM'T INFO:
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment - CG-230/CPS-1

CORD CG-231/CPS-1

(CABLE ASSEMBLY, RADIO FREQUENCY CG-231/CPS-1)

FUNCTIONAL DESCRIPTION:
Interconnects between components of a radar set.

RELATIONSHIP TO OTHER EQUIPMENT:
Used in testing AN/CPS-1.

ELECTROMECHANICAL DESCRIPTION:
Parts:
2 Plugs PL-259-A.
1 RF Cable RG-11/U.
Over-all Length: 5 feet 3-5/16 inches.
Outside Diameter: 0.405 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:
General Electric Company, Schenectady, New York; Army Order 473-MPD-43, G.E. Dwg. P-7768019.

STOCK NOS: (USAF) 1800-132336241, (SigC) 1F430-231.
PROCUREM'T INFO:
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment - CG-231/CPS-1

CORD CG-232/CPS-1

(CABLE ASSEMBLY, RADIO FREQUENCY CG-232/CPS-1)

FUNCTIONAL DESCRIPTION:
Interconnects between components of a radar set.

RELATIONSHIP TO OTHER EQUIPMENT:
Used in testing AN/CPS-1.

ELECTROMECHANICAL DESCRIPTION:
Parts:
2 RF Plug UG-18/U.
1 RF Cable RG-21/U.
Over-all Length: 9 feet 3-1/2 inches.
Outside Diameter: 0.332 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:
General Electric Company, Schenectady, New York; Army Order 437-MPD-43; G.E. Dwg. P-7768019.

STOCK NOS:	(USAF) 1800-132336242, (SigC) 1F430-232.
PROCUREM'T INFO:	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment -	CG-232/CPS-1

CORD CG-295A/U

(CABLE ASSEMBLY, RADIO FREQUENCY, CG-295A/U)

FUNCTIONAL DESCRIPTION:

Connects an equipment using Socket SO-239 to an equipment requiring clip lead connections.

RELATIONSHIP TO OTHER EQUIPMENT:

Used with Test Sets AN/MPM-10 and AN/MPM-12. Used in testing many equipments.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Plug PL-259.
2 Alligator Clips (Mueller type 85, or equal) with rubber insulators (Mueller type 87, or equal).
1 RF Cable RG-5B/U.

	Stock Numbers	
Overall Length:	(USAF)	(Army)
2 feet 3-5/16 inches	7CAC-170265-63	3E6015-295A
10 feet 3-5/16 inches	7CAC-170265-28	3E6015-295A.1

Outside Diameter: 0.332 inch

MANUFACTURERS' OR CONTRACTORS' DATA:

Local Manufacture.

STOCK NOS: (See Electromechanical Description).
PROCUREM'T INFO: JAN-C-17A, Dwg. SC-D-14870 (SigC)
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment - CG-295A/U

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CORD CG-296/CPM-4

(CABLE ASSEMBLY, RADIO FREQUENCY CG-296/CPM-4)

FUNCTIONAL DESCRIPTION:

Couples synchronizing pulses or sine waves between a Signal Generator such as TS-197/CPM-4 and an Oscilloscope such as TS-198/CPM-4.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing:

AN/CPS-1
AN/MPS-5

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Plug PL-259-A.
1 Double Bananna Plug Assembly (General Radio type 274-P plugs, or equal, spaced by General Radio type 274-Z insulator, or equal).
1 RF Cable RG-11/U.

Over-all Length: 3 feet 3-1/2 inches.
Outside Diameter: 0.405 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; Army Order 473-MPD-43, Contract W-3435-sc-264; G.E. Dwg. P-42J640-pt. 1.

STOCK NOS: (USAF) 7CMD-AAF170264-2, (SigC) 1F430-296.
PROCUREM'T INFO:
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment - CG-296/CPM-4

CORD CG-297/CPM-4

(CABLE ASSEMBLY, RADIO FREQUENCY CG-297/CPM-4)

FUNCTIONAL DESCRIPTION:

Couples the output of a Radio Receiver into the video input of an Oscilloscope such as TS-198/CPM-4.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-1, AN/MPS-5.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Plug PL-259-A.

1 Double Banana Plug Assembly, with special shunt termination. (General Radio Type 274-P plugs, or equal, spaced by General Radio Type 274-A insulator, or equal).

1 RF Cable RG-11/U.

Over-all Length: 6 feet, 3-1/2 inches.

Outside Diameter: 0.405 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; Army Order 473-MPD-43, Contract W-3435-sc-264, G. E. dwg. P-42J641-pt. 1.

STOCK NOS: (USAF) 7CGE-P42J641PT1, (SigC) 1F430-297.	
PROCUREM'T INFO:	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment -	CG-297/CPM-4

TRANSMISSION LINE CG-308/U

FUNCTIONAL DESCRIPTION:

A transmission line for general purpose use.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/TPS-1B, -1C.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 RF Plug UG-9/U
1 RF Jack UG-10/U
1 RF Cable RG-5/U

Length: 1 foot 10 inches.
Outside Diameter: 0.332 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Western Electric Company, 120 Broadway, New York, New York;
W. E. Co. Dwg. B-416368.

STOCK NOS:	
PROCUREM'T INFO:	
COGNIZANCE: Navy, BuShips	FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment -	CG-308/U

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CORD CG-317/U

(CABLE ASSEMBLY, RADIO FREQUENCY, CG-317/U)

FUNCTIONAL DESCRIPTION:

An RF cable assembly for general purpose use.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-6B.

ELECTROMECHANICAL DESCRIPTION:

Parts:

2 RF Plugs UG-174/U.
1 RF Cable RG-28/U.

Length:	Stock Numbers (USAF)	(Army)
2 feet 6 inches	1800-322981176	3E6015-317-30
3 feet 6 inches	1800-324763737	3E6015-317.7
5 feet 0 inch	1800-322849018	
5 feet 8 inches	1800-324763733	3E6015-317.3
6 feet 3 inches	1800-322981177	3E6015-317-75
9 feet 0 inch	1800-322981180	3E6015-317-108
10 feet 0 inch	1800-020694040	
16 feet 0 inch	1800-324763735	3E6015-317.5
16 feet 4 inches	1800-322849019	
20 feet 0 inch	1800-324763734	3E6015-317.4
24 feet 0 inch	1800-324763732	3E6015-317.2
32 feet 0 inch	1800-324763736	3E6015-317.6
36 feet 0 inch	1800-324763731	3E6015-317.1

Outside Diameter: 0.805 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Bendix Aviation Corporation, Teterboro, New Jersey; Dwg. No. AR-97287.

STOCK NOS: (See Electromechanical Description).	
PROCUREM'T INFO:	
COGNIZANCE: Army, SigC	FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment -	CG-317/U

ject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CORD CG-373/U

(CABLE ASSEMBLY, RADIO FREQUENCY CG-373/U)

FUNCTIONAL DESCRIPTION:

A general purpose, RF cable assembly for use with equipments such as Interference Blanker MX-529/U and UHF Signal Generator Equipment Navy Model LX-2.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/AXR-8.

ELECTROMECHANICAL DESCRIPTION:

Parts: 2 Plug PL-259-A (Navy type 49195)
1 RF Cable RG-11/U

Length:	Stock Numbers (USAF)	(Army)
2 feet 8 inches	1800-154432862	1F430-373.32
6 feet 0 inch	1800-154432865	1F430-373.72
35 feet 0 inch	1800-154432870	1F430-373.420

Outside Diameter: 0.405 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Washington Institute of Technology, Washington, D. C.; Navy Contract NObsr-39308; Dwg. 21243-1.

STOCK NOS: (See Electromechanical Description).
PROCUREM'T INFO: USAF Specification R-7431.
COGNIZANCE: Army, SigC FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment - CG-373/U

CORD CG-381/U

(CABLE ASSEMBLY, RADIO FREQUENCY CG-381/U)

FUNCTIONAL DESCRIPTION:

Connects a Test Set such as TS-3/AP or TS-61/AP to a radio set to be tested.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/APG-1, SCR-717-C, SCR-720-A, -C.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 RF Plug UG-9/U.
1 Holmdel Plug (Western Electric Type D-167538).
1 RF Cable RG-5/U.

Over-all Length: 5 feet, 0 inches.
Outside Diameter: 0.332 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Western Electric Company, New York 7, New York; W. E. dwg. B-460695.

STOCK NOS: (USAF) 7CAC-170265-287, (SigC) 1F430-381.60.	
PROCUREM'T INFO:	
COGNIZANCE: USAF, ARL	FUNCTIONAL CLASS. NO.: 11.2.0
- Electronics Test Equipment -	CG-381/U

CORD CG-385/U

(CABLE ASSEMBLY, RADIO FREQUENCY CG-385/U)

FUNCTIONAL DESCRIPTION:

Connects a Phantom Antenna such as TS-74/UPM to a radio set to be tested.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/APQ-20.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 RF Plug UG-100/U.
1 Adapter UG-207/U.
1 RF Cable RG-14/U.

Over-all Length: 5 feet, 3 inches.
Outside Diameter: 0.545 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Local Manufacture.

STOCK NOS: (USAF) 7CAC-170265-25, (SigC) 3E6015-385.
PROCUREM'T INFO:
COGNIZANCE: USAF, ARL FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment - CG-385/U

CORD CG-409A/U

(CABLE ASSEMBLY, RADIO FREQUENCY CG-409A/U)

FUNCTIONAL DESCRIPTION:

General purpose video cable for interconnecting test equipment.

RELATIONSHIP TO OTHER EQUIPMENT:

Similar to CG-409/U except the "A" uses RF Cable RG-58A/U instead of the RG-58/U.

ELECTROMECHANICAL DESCRIPTION:

Parts:

2 RF Plug UG-88/U.
1 RF Cable RG-58A/U.

Length:	Stock Numbers: (USAF)	(ARMY)
4 feet 10 inches	7CAC-170265-265	3E6015-409A-58
5 feet 0 inches	7CAC-170265-565	1F430-409A.60
5 feet 2 inches	7CAC-170265-56515	
6 feet 0 inches	7CAC-170265-24	3E6015-409A-72

Outside Diameter: 0.195 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Hewlett-Packard Company, 395 Page Mill Road, Palo Alto, California.

STOCK NOS: (See Electromechanical Description)	
PROCUREM'T INFO:	
COGNIZANCE: Navy, BuAer	FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment -	CG-409A/U

CORD CG-426A/U

(CABLE ASSEMBLY, RADIO FREQUENCY CG-426A/U)

FUNCTIONAL DESCRIPTION:

Used as an interconnecting cable assembly for a moving target indicator.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/APA-81.

ELECTROMECHANICAL DESCRIPTION:

Parts:

2 RF Plug UG-260/U.
1 RF Cable RG-59A/U.

Length:	Stock Numbers (USAF)	(ARMY)
3 feet 9 inches	1800-322981438	3E6015-426A.1
4 feet 0 inches	1660-035837233	
6 feet 0 inches	1800-322981448	3E6015-426A.11
9 feet 3 inches	1800-322981439	3E6015-426A.2
10 feet 3 inches	1800-322981440	3E6015-426A.3
11 feet 3 inches	1800-322981441	3E6015-426A.4
12 feet 3 inches	1800-322981442	3E6015-426A.5
14 feet 3 inches	1800-322981443	3E6015-426A.6
15 feet 3 inches	1800-322981444	3E6015-426A.7
20 feet 3 inches	1800-322981445	3E6015-426A.8
50 feet 3 inches	1800-322981446	3E6015-426A.9
100 feet 3 inches	1800-322981447	3E6015-426A.10

Outside Diameter: 0.242 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Airborne Instruments Laboratory, Incorporated, Mineola, New York; AIL drawings 2053-90D37-19 through 22, 25 and 26. Contract AF 33 (038)20496.

PROCUREM'T INFO: USAF Exhibit ENG-277.	
COGNIZANCE: USAF, ARL	FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment -	CG-426A/U

RF CABLE ASSEMBLY CG-497/U
(CABLE ASSEMBLY, RADIO FREQUENCY, CG-497/U)

FUNCTIONAL DESCRIPTION:

A general purpose RF cable assembly for use with equipments such as Switch Assembly SA-154/U.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/APT-16, -16A, -16B.

ELECTROMECHANICAL DESCRIPTION:

Parts: 2 RF Plugs UG-154/U.
1 RF Cable RG-17/U.
Length: 3 feet 0 inch.
Outside Diameter: 0.870 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Designers for Industry, Inc., 2915 Detroit Avenue, Cleveland 13, Ohio; Navy Contract NObsr-30017; Drawing C-1766X328.

STOCK NOS: 7CAC-170265-532 (USAF)	
PROCUREM'T INFO:	
COGNIZANCE: Navy, BuShips	FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment -	CG-497/U

ect was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

RF CABLE ASSEMBLY CG-547A/U

(CABLE ASSEMBLY, RADIO FREQUENCY, CG-547A/U)

FUNCTIONAL DESCRIPTION:

An RF cable assembly for general purpose use.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPN-6, AN/CPS-1, -4, AN/FPS-8, AN/MPN-1, -1C, AN/MPS-5, -11, AN/MSQ-1, -1A, -2.

Similar to CG-547/U except the "A" uses RF Cable RG-11A/U instead of RG-11/U.

ELECTROMECHANICAL DESCRIPTION:

Parts: 2 Plugs PL-259.
1 RF Cable RG-11A/U.

Length:	Stock Numbers (USAF)	(Army)
8 feet 3 inches	7CAC-170265-45	3E6015-547A.1
6 feet 3 inches	7CAC-170265-66245	

Outside Diameter: 0.405 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Western Electric Company, 120 Broadway, New York, New York; WECO Dwg. B 409345.

STOCK NOS: (See Electromechanical Description).
PROCUREM'T INFO:
COGNIZANCE: Navy, BuShips FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment - CG-547A/U

ect was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

RF CABLE ASSEMBLY CG-559/U
(CABLE ASSEMBLY, RADIO FREQUENCY, CG-559/U)

FUNCTIONAL DESCRIPTION:

Various lengths used to connect components of a radar set for transmission of video.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-6B.

ELECTROMECHANICAL DESCRIPTION:

Parts:

2 Plugs UG-260/U.
1 RF Cable RG-59/U.

Length:	Stock Numbers (USAF)	(Army)
3 feet 0 inches	7CAC-170265-65	3E6015-559.22
4 feet 6 inches	1800-322981551	3E6015-559.1
6 feet 0 inches	7CAC-170265-235	3E6015-559.21
6 feet 6 inches	1800-322981553	3E6015-559.3
9 feet 10 inches	7CAC-170265-615	3E6015-559.23
10 feet 0 inches	1800-322981554	3E6015-559.4
13 feet 0 inches	1800-322981555	3E6015-559.5
15 feet 0 inches	1800-322981556	3E6015-559.6
18 feet 0 inches	1800-322981558	3E6015-559.8
20 feet 0 inches	7CAC-170265-625	3E6015-559.20
22 feet 0 inches	1800-322981557	3E6015-559.7
25 feet 0 inches	1800-322981559	3E6015-559.9
30 feet 0 inches	1800-322981560	3E6015-559.10
32 feet 0 inches	1800-322981561	3E6015-559.11
34 feet 0 inches	1800-322981562	3E6015-559.12
38 feet 0 inches	1800-322981563	3E6015-559.13
42 feet 0 inches	1800-324984920	3E6015-559.24
44 feet 0 inches	1800-322981610	3E6015-559.60
45 feet 0 inches	1800-324984921	3E6015-559.25
55 feet 0 inches	1800-322981564	3E6015-559.14
61 feet 0 inches	1800-322981565	3E6015-559.15
80 feet 0 inches	1800-322981566	3E6015-559.16
90 feet 0 inches	1800-322981567	3E6015-559.17
130 feet 0 inches	1800-322981568	3E6015-559.18
154 feet 6 inches	1800-324984922	3E6015-559.26
750 feet 0 inches	1800-322981569	3E6015-559.19

(Continued)

STOCK NOS: (See Electromechanical Description).	
PROCUREM'T INFO: USAF Exhibit WLENG-101	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment -	CG-559/U

ct was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

RF CABLE ASSEMBLY CG-559/U
(CABLE ASSEMBLY, RADIO FREQUENCY, CG-559/U)

ELECTROMECHANICAL DESCRIPTION: (Continued)
Outside Diameter: 0.242 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:
General Electric Company, Schenectady, New York; USAF Contract W-33-038-ac-16195; G.E. drawing ML 7403949G2, ML 7403949G3, and ML 7403949G4.

RF CABLE ASSEMBLY CG-562/U

UNCTIONAL DESCRIPTION:

Connects the IF output of a radio receiver such as R-270/FRR or R-336/GRC-26 o a dual diversity converter such as CV-31/TRA-7.

ELATIONSHIP TO OTHER EQUIPMENT:

LECTROMECHANICAL DESCRIPTION:

arts:
1 RF Cable RG-58C/U (per Spec. JAN-C-17A and Exceptions).
1 RF Plug UG-85/U.
1 Plug PL-259 with Adapter UG-176/U.
ength: To be specified.
able Data: 53.5 ohms impedance.
1900 volts, rms, maximum operating voltage.
onductor Data: Single conductor, solid, No. 20 AWG, copper wire, plain finish.
ielectric Data: Polyethylene, 0.111 inch outer diameter.
hield Data: Single, copper, tinned.
d Cross-section: 0.195 inch diameter, overall, black vinyl resin jacket.

ANUFACTURERS' OR CONTRACTORS' DATA:

Local manufacture.

	AIR FORCE	NAVY	ARMY
YPE CLASS.			Limited Standard
TOCK NOS.	7CAC-170265-547		3E6015-562.1
PROCUREM'T INFO.:	USAF Spec. 71-3280		
PROCUREM'T COG.:	USAF	DESIGN COG.: USAF, C&N	
.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.2.6	
- Electronics Test Equipment -			CG-562/U

project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CABLE ASSEMBLY CG-566/U

(CABLE ASSEMBLY, RADIO FREQUENCY CG-566/U)

FUNCTIONAL DESCRIPTION:

Various lengths used to connect test equipments to a radar set being tested.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-6B.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Plug UG-260/U.
2 Mueller Alligator Clips, Catalog No. 12A101B.
1 RF Cable RG-59/U.

Over-all Length: 8 feet 0 inches.
Outside Diameter: 0.242 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; USAF Contract W-33-038-ac-16195; G.E. drawing ML7403948G1.

STOCK NOS:	(USAF) 7CAC-170265-585 1800-160523960 7CAC-170265-66	(SigC) 3E6015-566.1 1F430-566.96
PROCUREM'T INFO:	USAF Exhibit WLENG-108.	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.2.6	
- Electronics Test Equipment -		CG-566/U

RF CABLE ASSEMBLY CG-582/U
(CABLE ASSEMBLY, RADIO FREQUENCY CG-582/U)

FUNCTIONAL DESCRIPTION:

Used essentially as a coaxial patch cord for the transmission of video signals.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/APN-11.

ELECTROMECHANICAL DESCRIPTION:

Parts: 1 Adapter RCA 8855806-1
1 RF Plug UG-245/U
1 RF Jack UG-206/U
1 RF Cable RG-58/U
Length: 1 foot 6 inches.
Outside Diameter: 0.195 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

RCA Victor Division of Radio Corporation of America, Camden, New Jersey; USAF Contract W 33-038-ac-21045; Approximate Cost per Unit, $9.60, May 1953; RCA Stock No. R 16-RCA-442467-501.

STOCK NOS: 1660-322864946 (USAF); 3E7350-2.18 (Army).
PROCUREM'T INFO:
COGNIZANCE: USAF, C&N FUNCTIONAL CLASS. NO.: 11.2.6
Electronics Test Equipment - CG-582/U

RF CABLE ASSEMBLY CG-620/U

(CABLE ASSEMBLY, RADIO FREQUENCY, CG-620/U)

FUNCTIONAL DESCRIPTION:

Connects from the detector output jack of a Field Strength Meter such as AN/PRM-2 to an external indicator or a pair of high-impedance headphones.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing:

AN/CPS-5
AN/CPS-5C
AN/CPS-5D
AN/FPS-8
AN/GRC-30
AN/MPS-11

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Mallory Phone Plug #75, or equal.
2 Mueller Alligator Clips #60, or equal.
1 RF Cable RG-59/U.

	Stock Numbers	
Length:	(USAF)	(Army)
3 feet 3 inches	7CAC-170265-645	3E6015-620.1
6 feet 3 1/4 inches	7CAC-170265-64	3E6015-620.2

Outside Diameter: 0.242 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Harvey Radio Laboratory, Cambridge, Massachusetts; USAF Contract W-28-099-ac-76, Dwg. No. B3ZB18-3.

STOCK NOS: (See Electromechanical Description).	
PROCUREM'T INFO:	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment -	CG-620/U

ject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

RF CABLE ASSEMBLY CG-621/U

(CABLE ASSEMBLY, RADIO FREQUENCY, CG-621/U)

FUNCTIONAL DESCRIPTION:

Connects from signal generator output jack of a Field Strength Meter such as AN/PRM-2 to RF input of a radar set.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing:

AN/CPS-5
AN/CPS-5C
AN/CPS-5D
AN/FPS-8
AN/MPS-11

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Plug PL-259-A.
1 Adapter UG-176/U.
2 Mueller Alligator Clips #60, or equal.
1 RF Cable RG-59/U.

Length:	Stock Numbers (USAF)	(Army)
3 feet 3 inches	7CAC-170265-27	3E6015-621.1
6 feet 2-13/16 inches	7CAC-170265-595	3E6015-621.2

Outside Diameter: 0.242 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Harvey Radio Laboratory, Cambridge, Massachusetts; USAF Contract W-28-099-ac-76, drawing B3ZB18-1.

STOCK NOS: (See Electromechanical Description).
PROCUREM'T INFO:
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment - CG-621/U

ject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

RF CABLE ASSEMBLY CG-624/MPM-2

FUNCTIONAL DESCRIPTION:

An RF cable assembly for general purpose use.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/MSQ-1, -1A, -2.

ELECTROMECHANICAL DESCRIPTION:

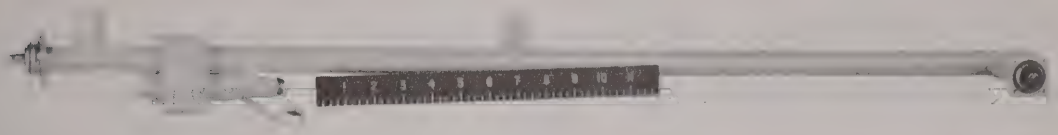
Parts: 2 Spade Terminal, American Hardware No. 133;
1 Alligator Clip, Mueller No. 60-S and
1 Plug Assembly AN-3106-10S-2 modified by pin insert;
1 RF Cable RG-59/U.
Length: 5 feet 4 inches.
Outside Diameter: 0.242 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Transmitter Equipment Manufacturing Company, Inc., New York 14, New York; SigC Order 14694-PH-48-77.

STOCK NOS: (Army) 3E6015-624.1.	
PROCUREM'T INFO: SigC Dwg. SC-D-29896.	
COGNIZANCE: Army, SigC	FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment -	CG-624/MPM-2

TEST LINE ASSEMBLY CU-108/UP
(Cable Assembly, Radio Frequency Transmission CU-108/UP)



UNCTIONAL DESCRIPTION:
A portable, special purpose, section of radio frequency transmission line ter-inated in a standard radio frequency plug at one end and a modified radio frequency ug at the other end. A special jack provides a test outlet. This test line serves a portion of the radio frequency circuit of a radar set, and at the same time pro-des suitable radio frequency coupling for test purposes. It permits the removal a minute portion of the radio frequency energy in the radar plumbing in order to easure power, receiver sensitivity, and frequency. It is used in organizational, eld, and depot testing of Close Cooperation Set AN/MPQ-2.

ELATIONSHIP TO OTHER EQUIPMENT:

LECTROMECHANICAL DESCRIPTION:
ower Supply: None.
requency Range: Identical to that of the prime equipment.
ominal Coaxial Impedance: 50 ohms.
oupling Loss: 35.0 decibels.

ANUFACTURERS' OR CONTRACTORS' DATA:
Peter Petroff, Philadelphia, Pennsylvania; Army Order No. 9029-PH-46-23, ated September 1946.
Westinghouse Electric & Mfg. Company, East Pittsburgh, Pennsylvania; USAF rder No. 5025-DAY-45, dated September 1945; Approximate Cost per Unit, $124.00.

UBE COMPLEMENT:
None.

EFERENCE DATA AND LITERATURE:
TO 16-40SCR584-108 (Modification of Radio Sets, SCR-584-A, -B to incorporate U-108/UP).

	AIR FORCE	NAVY	ARMY
YPE CLASS.			
TOCK NOS.	3300-287643262		2Z3265-108
ROCUREM'T INFO.: Spec. 71-2454 (Sig C); Dwg. SC-D-15428 (Sig C)			
ROCUREM'T COG.: USAF		DESIGN COG.: USAF, RADC	
.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.2.6	
- Electronics Test Equipment -			CU-108/UP

roject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

TEST LINE ASSEMBLY CU-108/UP
(Cable Assembly, Radio Frequency Transmission CU-108/UP)

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weig Packe (Lbs
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weigh (Lbs
				H	W	D	
1	Test Line Assembly CU-108/UP		3300-287643262 2Z3265-108	12	36	2-1/2	3
	Including:						
1	Transmission Line RG-44/U				7/8 OD		
1	RF Plug UG-45/U						
1	Modified RF Plug UG-45/U (standard flange re-placed by flange from RF Jack UG-46/U)						
1	Special type "N" Jack						

CABLE CX-106/GR

FUNCTIONAL DESCRIPTION:

A special purpose, electrical cable assembly used as an interconnecting cable for radar equipment.

RELATIONSHIP TO OTHER EQUIPMENT:

Used with Antenna Loop Assembly AS-4/GR in testing Radar Set AN/CPS-6B.

ELECTROMECHANICAL DESCRIPTION:

Parts:

2 Plugs PL-55.
1 Cable CO-144.

Length:	STOCK NUMBERS: (USAF)	(Army)
1 foot 6 inches		3E6000-106-18
4 feet 0 inch		3E6000-106-48
6 feet 0 inch		3E6000-106-72
8 feet 0 inch	7CAC-170264-825	3E6000-106-96
10 feet 0 inch		3E6000-106-120

Outside Diameter: 0.30 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; Dwg. No. ML7403918G-2.

STOCK NOS: (See above)	
PROCUREM'T INFO: SigC Spec. No. 271-3151	
COGNIZANCE:	FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment -	CX-106/GR

project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CORD CX-251/UP

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-251/UP)

FUNCTIONAL DESCRIPTION:

Connects between a Test Set such as AN/MPM-2 and a Radio Set such as RC-234 to be tested.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/MPQ-2.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Amphenol Plug, type 80M.
2 American Hardware Lugs, type 133.
1 Two Conductor RF Cable RG-59/U, #20AWG, shielded, black vinyl jacket, 73 ohms impedance.

Cord Length: 5 feet, 0 inch.
Outside Diameter: 0.242 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Cable Corporation, Cincinnati, Ohio.

STOCK NOS: (USAF) 7CAC-170265-59, (SigC) 3E6000-251.
PROCUREM'T INFO: Dwg. SC-D-20196 (SigC).
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment - CX-251/UP

CORD CX-647/CPM-4

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-647/CPM-4)

FUNCTIONAL DESCRIPTION:

Serves as output coupling lead for a detector such as the TS-200/CPM-4.

RELATIONSHIP TO OTHER EQUIPMENT:

The item is part of Radio Sets AN/CPS-1, AN/MPS-5, and Radar Test Set AN/CPM-4.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Plug, PL-55.
2 Birnbach Tip Plugs #412, or equal.
1 Cable, Navy Type DCOP-1.

Cord Length: 4 feet 6 inches.
Outside Diameter: 0.28 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; Army Contract W-3435-sc-264(437-MPD-43), drawing M55J896-pt. 2.

STOCK NOS: (USAF) 1600-322978024, (SigC) 3E6000-647.
PROCUREM'T INFO:
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11. 2. 6
- Electronics Test Equipment - CX-647/CPM-4

CORD CX-648/CPM-4

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-648/CPM-4)

FUNCTIONAL DESCRIPTION:

Serves as input coupling lead for a test meter such as the TS-199/CPM-4.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing Radio Sets AN/CPS-1, AN/MPS-5, and Radar Test Set AN/CPM-4.

ELECTROMECHANICAL DESCRIPTION:

Parts:

2 Plug, PL-55.

1 Cable, Navy Type DCOP-1.

Cord Length: 8 feet 0 inches.

Outside Diameter: 0.28 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; Army Contract W-3435-sc-264(473-MPD-43), drawing 56J889-pt2.

STOCK NOS: (USAF) 1600-322978026, (SigC) 3E6000-648.	
PROCUREM'T INFO:	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.2.6
- Electronics Test Equipment -	CX-648/CPM-4

WAVEGUIDE ASSEMBLY CG-637/U

FUNCTIONAL DESCRIPTION:

A portable general purpose waveguide assembly consisting of Radio Frequency Line RG-69/U terminated at each end in Waveguide Flange UG-417/U. It is used in organizational, field, and depot testing.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: The RF line and flanges transmit radio frequency energy to the required point with a minimum loss due to conduction or radiation. This is primarily accomplished by impedance matching.

Power Supply: None.

Frequency Range: 1120 to 1700 megacycles per second.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	7CAC-979569-4		2ZA1300-637
PROCUREM'T INFO.:	Dwg. USAF 50D54265		
PROCUREM'T COG.:		DESIGN COG.: USAF, RADC	
F.I.I.N.:		FUNCTIONAL CLASS. NO.:	11.2.7
- Electronics Test Equipment -			CG-637/U

Is project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

WAVEGUIDE ASSEMBLY CG-637/U

MANUFACTURERS' OR CONTRACTORS' DATA:

Bendix Aviation Corp., Bendix Radio Division, Baltimore 4, Maryland; USAF Contract W33-038-ac-21187.

Whiting and Davis Co., Plainville, Massachusetts; Contract No. AF 33(600)8522, dtd., 11 January 1952.

TUBE COMPLEMENT:

None.

REFERENCE DATA AND LITERATURE:

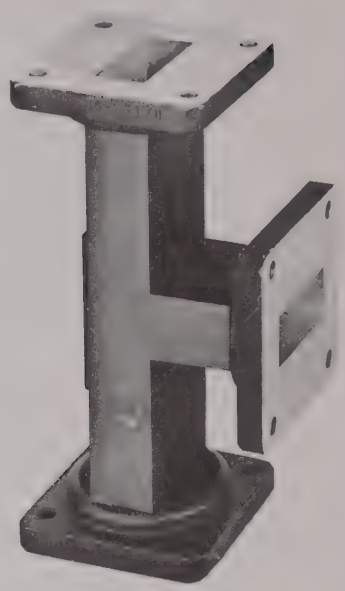
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weigh Packe (Lbs.
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weigh (Lbs.
				H	W	D	
1	Waveguide Assembly CG-637/U		7CAC-979569-4 2ZA1300-637	Length specified by order			

COVER UG-51/U
(COVER, WAVEGUIDE FLANGE, UG-51/U)



FUNCTIONAL DESCRIPTION:

Mates with Choke Flange UG-52A/U for use with RF Line RG-51/U.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-4, AN/MPS-10, AN/TPN-2.

Similar to Navy Model 49474.

ELECTROMECHANICAL DESCRIPTION:

Frequency Range: 7050 to 10,000 megacycles per second.
Temperature: Moderate.
Weatherproof: No.
Pressurized: No.
Shape: Rectangular.
Material: Brass.
Flange Type: Plain.
Waveguide Size: 1-1/4" x 5/8".
Dimensions: 1-7/8" x 1-7/8" x 7/16".
Weight: 0.125 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

Industrial Products Company, Danbury, Connecticut; IPC No. WG-6.

STOCK NOS: (Army) 2Z3359-51	
PROCUREM'T INFO: Dwg. RE49F203 (Navy); dwg. AS-2021(ASESA).	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.2.7
- Electronics Test Equipment -	UG-51/U

ect was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

WAVEGUIDE FLANGE UG-420/U
(FLANGE, WAVEGUIDE UG-420/U)

FUNCTIONAL DESCRIPTION:

Mates with Choke Flange UG-541/U for use with RF Waveguide RG-91/U or RG-107/U.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-5.

Similar to Waveguide Flange UG-419/U, but the UG-419/U includes four mounting screws.

ELECTROMECHANICAL DESCRIPTION:

Frequency Range: 12400 to 18000 megacycles per second.
Temperature: Moderate.
Weatherproof: No.
Pressurized: No.
Shape: Rectangular.
Material: Brass.
Dimensions: 1-5/16" x 1-5/16" x 5/16". (Inside dimensions are 0.706" x 0.396", accurate to ±0.001". Uses four steel allen head screws 1/4" long in four asymmetrical mounting holes. These are not supplied.)
Weight: 0.063 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

Carl W. Schutter Company, Radar Park, Lindenhurst, New Jersey.

Danbury-Knudsen, Inc., Division of Industrial Products Company, P.O. Box 170, Danbury, Connecticut.

STOCK NOS:	
PROCUREM'T INFO: USAF Dwg. 47A56931.	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.2.7
- Electronics Test Equipment -	UG-420/U

11.3 WIRE CIRCUIT EQUIPMENT

CORD CD-307-A

FUNCTIONAL DESCRIPTION:

A general purpose headset extension cord used to connect a headset to a jack box.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Jack JK-26.
1 Cordage CO-119-A or -B.
1 Plug PL-55.

Length:	Stock Numbers: (USAF)	(USA)
	1600-321030000	3E1307A
2 feet 0 inch	1600-321030775	3E1307A-2
3 feet 6 inches	1600-321031950	3E1307A-3.6
4 feet 0 inch	1600-321032000	3E1307A-4
5 feet 0 inch	1600-321034000	3E1307A-5
5 feet 5 inches	1600-321036000	3E1307A-5.5
5 feet 6 inches	1600-321038000	3E1307A-5.6
6 feet 0 inch	1600-321040000	3E1307A-6
6 feet 6 inches	1600-321040100	3E1307A-6.6
7 feet 0 inch	1600-321041000	3E1307A-7
8 feet 0 inch	1600-321042000	3E1307A-8
9 feet 0 inch	1600-321043000	3E1307A-9
10 feet 0 inch	1600-321044000	3E1307A-10
11 feet 3 inches	1600-321045030	3E1307A-11.3
12 feet 0 inch	1600-321046000	3E1307A-12
15 feet 0 inch	1600-321046090	3E1307A-15
36 feet 0 inch	1600-321046195	3E1307A-36
192 feet 0 inch	1600-321046500	3E1307A-192

Outside Diameter: 0.28 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Western Electric Company, 120 Broadway, New York, New York; USA Order Nos. 646-DAY-44, 1122-DAY-44, 1321-DAY-44.

M. J. Sears Company, Roxbury, New York; USAF Contract No. AF 33(635)1566.

STOCK NOS: (See above)	
PROCUREM'T INFO: Spec. JAN-J-641; Dwgs. 71-805, 71-802-E(SigC)	
COGNIZANCE:	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CD-307-A

project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CORD CD-502

UNCTIONAL DESCRIPTION:

A general purpose, single conductor cable assembly used with Test Equipment C-68.

ELATIONSHIP TO OTHER EQUIPMENT:

LECTROMECHANICAL DESCRIPTION:

Parts:

2 Crocodile Clips, Mueller No. 85.
2 Rubber Insulators, Mueller No. 87.
1 Cable, copper stranded, No. 18 AWG, covered with synthetic red rubber insulator.

Length:	STOCK NUMBERS: (USAF)	(Army)
2 feet 4 inches	7CAC-170270-1443	3E1502
2 feet 4 inches	7CAC-468919-45	3E1502.1
2 feet 4 inches	7CMD-ESD7676	--

MANUFACTURERS' OR CONTRACTORS' DATA:

Local manufacture.

	AIR FORCE	NAVY	ARMY
YPE CLASS.			Standard
TOCK NOS.	(See above)		
ROCUREM'T INFO.:	Dwg. SC-D-11915 (Sig C); Dwg. ESD7676		
ROCUREM'T COG.:		DESIGN COG.:	
.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.3.1	
	- Electronics Test Equipment -		CD-502

project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CORD CD-503

JNCTIONAL DESCRIPTION:

A general purpose, single conductor cable assembly used with Test Equipment
:-68.

ELATIONSHIP TO OTHER EQUIPMENT:

LECTROMECHANICAL DESCRIPTION:

arts:

2 Crocodile Clips, Mueller No. 85.
2 Rubber Insulators, Mueller No. 87.
1 Cable, copper stranded, No. 18 AWG, covered with synthetic black rubber insulator.

ength:

	STOCK NUMBERS: (USAF)	(Army)
8 feet 6 inches	7CAC-468919-5	3E1503
8 feet 6 inches	7CAC-468919-53	3E1503.1

ANUFACTURERS' OR CONTRACTORS' DATA:

Local manufacture.

	AIR FORCE	NAVY	ARMY
YPE CLASS.			Standard
OCK NOS.	(See above)		
ROCUREM'T INFO.:	Dwg. No. ES-D-7676 (SigC); Spec. No. 71-4945		
ROCUREM'T COG.:		DESIGN COG.:	
I.I.N.:		FUNCTIONAL CLASS. NO.: 11.3.1	
	- Electronics Test Equipment -		CD-503

roject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CORD CD-505-A

FUNCTIONAL DESCRIPTION:

A general purpose, electrical power cable assembly used with Test Equipment RC-68.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Plug, Hubbell Part No. 9938.
1 Connector, Hubbell Part No. 7187.
1 Cable, rubber insulated, steel stranded, No. 12 AWG.

Length: 50 feet 0 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Local manufacture.

STOCK NOS: (USAF) 7CAC-170264-935, (SigC) 3E1505A
PROCUREM'T INFO: Dwg. No. SC-D-11916 (SigC)
COGNIZANCE: FUNCTIONAL CLASS. NO.:11.3.1
- Electronics Test Equipment - CD-505-A

project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CORD CD-799

FUNCTIONAL DESCRIPTION:

An electrical power cable assembly used to connect Range Calibrator BC-949 to Indicator BC-929. It is used with Test Equipment IE-56.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Plug PL-Q227.
2 Clamps AN 3057-10.
1 Plug AN 3108-18-3P.
1 Cable, two conductors, stranded, No. 12 AWG, with rubber insulated, cotton braid shield.

Length:	STOCK NUMBERS: (USAF)	(Army)
3 feet 0 inch	7CAC-170264-375	3E1799-36
4 feet 0 inch	7CAC-170264-37	3E1799-48

MANUFACTURERS' OR CONTRACTORS' DATA:

Local manufacture.

STOCK NOS: (See above)	
PROCUREM'T INFO:	
COGNIZANCE:	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CD-799

roject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CORD CD-935

FUNCTIONAL DESCRIPTION:

Connects a modulator unit such as BC-1203 to an oscilloscope.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Two conductor individually shielded, flexible cable no. 18 AWG, (8800-086862-22).

5 Phone tip plugs (8800-882000).

Cable Length: 4 feet 0 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Philco Corporation, 6509 North Broad Street, Philadelphia 26, Pennsylvania; Philco Dwg. No. 358-8026.

STOCK NOS: (USAF) 7CPR-358-8026 and 7CAC-170264-985,
(SigC) 3E1935
PROCUREM'T INFO:
COGNIZANCE: FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CD-935

project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CORD CD-1102

FUNCTIONAL DESCRIPTION:

A general purpose test cable used with equipment such as Range Calibrator -223-A.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Spade Lug.
1 Alligator Clip.
1 Cable, No. 34 turned copper wire, stranded, with rubber insulated, braided cotton shield.

Length: 4 feet 0 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Belmont Radio Corporation, Chicago, Illinois; USAF Contract No. W-2279-SC-460; Order No. 3200-SCRL-43; Dwg. No. DP-43-5-79.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			Standard
STOCK NOS.	1800-322014131		3E1999-102
PROCUREM'T INFO.:			
PROCUREM'T COG.:		DESIGN COG.:	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.3.1	
- Electronics Test Equipment -			CD-1102

project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CORD CD-1106

INCTIONAL DESCRIPTION:

A general purpose cable assembly used to connect test rack to unit under test.

:LATIONSHIP TO OTHER EQUIPMENT:

LECTROMECHANICAL DESCRIPTION:

rts:

1 Male Plug, Belmont, C-201-546.

1 Female Plug, Belmont C-201-245.

1 Cable consisting of 13 conductors No. 16, rubber covered, shielded wires, 4 conductors No. 14 Aeroglas wires, and 4 conductors No. 20 Aeroglas wires.

ngth: 6 feet 0 inch.

ANUFACTURERS' OR CONTRACTORS' DATA:

Belmont Radio Corporation, Chicago, Illinois; USAF Contract No. W-2279-sc-0; Order No. 3200-SCRL-43; Dwg. No. DP-43-5-79. USAF Contract No. W-2279--467; Order No. 3248-SCRL; Dwg. No. DP-43-82.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	1800-322014135		3E1999-106
PROCUREM'T INFO.:			
PROCUREM'T COG.:		DESIGN COG.:	
I.I.N.:		FUNCTIONAL CLASS. NO.: 11.3.1	
	- Electronics Test Equipment -		CD-1106

oject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CORD CD-1108

FUNCTIONAL DESCRIPTION:

Connects a radio set such as SCR-300 to a battery such as BA-70 or BA-80 when testing a radio set such as AN/VRC-3.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Six conductor, rubber insulated and jacketed cord #18.6 type S cord, code work "Grankett" as made by Simplex Wire and Cable Company, or equal.

1 Plug, Cinch #881-S, 8 prong male, or equal.

1 Plug, Cinch #781-S, 8 prong female, or equal.

2 Shell, Cinch #720-S, or equal.

Length: 1 foot 0 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Local manufacture.

STOCK NOS: (SigC) 3E1999-108	
PROCUREM'T INFO: Mil Spec. 71-1624	
COGNIZANCE:	FUNCTIONAL CLASS. NO.: 11.3.1
[illegible] - Electronics Test Equipment -	CD-1108

Project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CORD CD-1141

JNCTIONAL DESCRIPTION:

A general purpose cable assembly used in making voltage checks on equipments ch as Power Supply RA-105-A.

ELATIONSHIP TO OTHER EQUIPMENT:

LECTROMECHANICAL DESCRIPTION:

rts:
1 Male Plug, Belmont A-19A-2347.
1 Special Jack Assembly, Belmont.
1 Cable, 2 conductor, No. 34 wire, rubber insulated.
ngth: 6 feet 0 inch.
tside Diameter: 0.45 inch.

ANUFACTURERS' OR CONTRACTORS' DATA:

Belmont Radio Corporation, Chicago, Illinois; USAF Contract No. W-2279-sc-0; Order No. 3200-SCRL-43; Dwg. No. DP-43-5-79.

	AIR FORCE	NAVY	ARMY
YPE CLASS.			Standard
TOCK NOS.	1800-322014163		3E1999-141
ROCUREM'T INFO.:			
ROCUREM'T COG.:		DESIGN COG.:	
.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.3.1	
- Electronics Test Equipment -			CD-1141

roject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

COMBINATION CABLE CG-111/TPS-1B

FUNCTIONAL DESCRIPTION:

A special combination cable which connects between Rectifier Junction Box PP-91/TPS-1B and Indicator Unit ID-84/TPS-1B when the Indicator Unit is used in either a local or a remote location.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/TPS-1B, -1C.

ELECTROMECHANICAL DESCRIPTION:

Parts: 2 Connectors, Western Electric D-165644.

1 Power Cable: 27 conductor, stranded, Vinylite jacketed, 23 non-shielded and 4 individually shielded conductors. Western Electric KS-9576.

Length:	Stock Numbers: (USAF)	(ARMY)
(to be specified)	1800-322850491	3E6015-111
6 feet 0 inch	1800-322850495	3E6015-111.72
50 feet 0 inch	1800-322850498	3E6015-111.600

MANUFACTURERS' OR CONTRACTORS' DATA:

Western Electric Company, 120 Broadway, New York, New York; Navy Contract NXsr-38866. WECo Dwgs. B-415041-10 (6 feet) and B-415041-9 (50 feet).

STOCK NOS: (See Electromechanical Description).
PROCUREM'T INFO:
COGNIZANCE: Navy, BuShips FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CG-111/TPS-1B

roject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CORD CO-119-A

FUNCTIONAL DESCRIPTION:

A double conducting test cable with close spiral construction. This cordage is extra flexible and is used to make up Cords CD-307-A and CD-308-A which are used in various aircraft radio sets.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/FRC-33. This equipment is a long-life equivalent of, and replacement for CO-119. It is similar to CO-119-B except that the "B" model has No. 22 AWG conductors.

ELECTROMECHANICAL DESCRIPTION:

Parts: 2 Conductors: No. 20 AWG, soft copper, tinned, rubber insulated wire, covered with rubber outer sheath and color coded.
Length: To be specified.
Outside Diameter: 0.280 inch.
Net Weight: 0.66 ounce per foot.

MANUFACTURERS' OR CONTRACTORS' DATA:

Cornish Wire Company, 36 Park Row, New York 7, New York;
Approximate Cost per Foot, $0.032.

STOCK NOS: 3300-322148000 (USAF)	
PROCUREM'T INFO: SigC Spec. 71-1105	
COGNIZANCE: Army, SigC	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CO-119-A

roject was supported by the USAF on Contract AF 33[illegible]8670 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CORD CX-187/APN-3

(CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL CX-187/APN-3)

FUNCTIONAL DESCRIPTION:

Serves as an Extension Cable to allow operation of a Radio Receiver such as R-15/APN-3 when it is removed from an indicator such as ID-17/APN-3 for service or test purposes.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/APN-3.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Eight Contact Jones Plug type S-308-CCT (female).
1 Eight Contact Jones Plug type P-308-CCT (male).
1 Six Conductor Cable, with three shielded conductors and three unshielded conductors; shielded with copper braid; rubber jacket with fabric outer covering.

Cord Length: 5 feet, 3 inches.
Outside Diameter: 0.545 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

RCA Victor Division of RCA, Camden, New Jersey. Army Orders 12005-WF-43, 338-DAY-44.

STOCK NOS: (USAF) 7CAC-170264-3, (SigC) 3E6000-187.
PROCUREM'T INFO: Spec. 471-1763 (SigC).
COGNIZANCE: USAF, Arm. FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-187/APN-3

CORD CX-245/UP

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-245/UP)

FUNCTIONAL DESCRIPTION:

Connects between a Test Set such as AN/MPM-2 and a Radio Set such as RC-234 to be tested.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing:

AN/MPQ-2
AN/MSQ-1
AN/MSQ-1A
AN/MSQ-2
SCR-584
SCR-584-A
SCR-584-B

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Connector AN-3106-20-7S, type 102.
1 Amphenol Receptable 97-5103-20-7P, or equal.
1 Ten Conductor Power Cable Assembly, #15AWG, stranded, synthetic rubber insulated, synthetic rubber jacket.

Cord Length: 8 feet, 2-1/2 inches.
Outside Diameter: 0.545 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; Westinghouse Electric and Manufacturing Company, Newark, New Jersey. Army Orders 47-SCRL-42, 536-SCRL-42, 896-MPD-45. G. E. dwgs. K-7888716-P9, K-7888648; Wemco dwgs. M-7409516-P10, M-7409455. G.E. type CW-1273. G.E. and Wemco labels W-2110, W-2124.

STOCK NOS: (USAF) 7CAC-170264-76, (SigC) 3E6000-245.	
PROCUREM'T INFO: Spec. MIL-C-915 (Ships); Dwg. SC-D-12049, Group I (SigC).	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CX-245/UP

CORD CX-246/UP

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-246/UP)

FUNCTIONAL DESCRIPTION:

Connects between a Test Set such as AN/MPM-2 and a Radio Set such as RC-234 to be tested.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing:

AN/MPQ-2
AN/MSQ-1
AN/MSQ-1A
AN/MSQ-2
SCR-584
SCR-584-A
SCR-584-B

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Connector AN-3106-20-7P, type 102.
1 Amphenol Receptacle 97-5103-20-7S, or equal.
1 Ten Conductor Power Cable Assembly, #15AWG, stranded, synthetic rubber insulated conductor, synthetic rubber jacket.

Cord Length: 8 feet, 2-1/2 inches.
Outside Diameter: 0.562 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; Westinghouse Electric and Manufacturing Company, Newark, New Jersey. Army Orders 47-SCRL-42, 536-SCRL-42, 896-MPD-45. G. E. dwgs. K-7888716-P8, K-7888648; Wemco dwgs. M-7409516-P3, M-7409456-G1, M-7409456-G2. G.E. type CW-1273. G.E. and Wemco labels W-2109, W-2126.

STOCK NOS:	(USAF) 7CAC-170264-745, (SigC) 3E6000-246.
PROCUREM'T INFO:	Spec. MIL-C-915 (Ships); Dwg. SC-D-12049, Group II (SigC).
COGNIZANCE:	USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
	- Electronics Test Equipment - CX-246/UP

CORD CX-247/UP

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-247/UP)

FUNCTIONAL DESCRIPTION:

Connects between a Test Set such as AN/MPM-2 and a Radio Set such as RC-234 to be tested.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing:

AN/MPQ-2
AN/MSQ-1
AN/MSQ-1A
AN/MSQ-2
SCR-584
SCR-584-A
SCR-584-B

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Connector AN-3106-16S-5S.
1 Amphenol Receptacle 97-5103-16S-5P, or equal.
1 Three Conductor Power Cable Assembly, #18AWG, stranded, rubber insulated conductor, cotton fillers, cotton braid, rubber jacket.

Cord Length: 8 feet, 1-1/2 inches.
Outside Diameter: 0.375 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; Westinghouse Electric and Manufacturing Company, Newark, New Jersey. Army Orders 47-SCRL-42, 536-SCRL-42, 896-MPD-45. G. E. dwgs. K-7888716-P2, K-7888701; Wemco dwgs. M-7409516-P6, M-7409460, M-7409485-G1, M-7417451-P3. G.E. type S. G.E. and Wemco label W-2103.

STOCK NOS: (USAF) 7CAC-170264-8, (SigC) 3E6000-247.
PROCUREM'T INFO: Dwg. SC-D-12049, Group III (SigC).
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-247/UP

CORD CX-248/UP

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-248/UP)

FUNCTIONAL DESCRIPTION:

Connects between a Test Set such as AN/MPM-2 and a Radio Set such as RC-234 to be tested.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing:

AN/APQ-2
AN/MSQ-1
AN/MSQ-1A
AN/MSQ-2
SCR-584
SCR-584-A
SCR-584-B

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Connector AN-3106-16S-5P.
1 Amphenol Receptacle 97-5103-16S-5S, or equal.
1 Three Conductor Power Cable Assembly, #18AWG, stranded, rubber insulated conductor, rubber jacket.

Cord Length: 8 feet, 1-1/2 inches.
Outside Diameter: 0.375 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; Westinghouse Electric and Manufacturing Company, Newark, New Jersey. Army Orders 47-SCRL-42, 536-SCRL-42, 896-MPD-45. G. E. dwgs. K-7888716-P3, K-7888703; Wemco dwgs. M-7409516-P7, M-7409459-G1. G.E. type S. G.E. and Wemco label W-2104.

STOCK NOS: (USAF) 7CAC-170264-82, (SigC) 3E6000-248.
PROCUREM'T INFO: Dwg. SC-D-12050, Group I (SigC).
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-248/UP

CORD CX-249/UP

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-249/UP)

FUNCTIONAL DESCRIPTION:

Connects between a Test Set such as AN/MPM-2 and a Radio Set such as RC-234 to be tested.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing:

AN/MPQ-2
AN/MSQ-1
AN/MSQ-1A
AN/MSQ-2
SCR-584
SCR-584-A
SCR-584-B

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Connector AN-3106-18-4P, type 102.
1 Amphenol Receptable 97-5103-18-4S, or equal.
1 Four Conductor Cordage CO-135, #20 AWG, stranded, rubber insulated conductor, synthetic rubber jacket.

Cord Length: 8 feet, 3 inches.
Outside Diameter: 0.410 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; G. E. type MCS-4.

STOCK NOS: (USAF) 7CAC-170270-1346, (SigC) 3E6000-249.
PROCUREM'T INFO: Dwg. SC-D-12050, Group II (SigC).
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-249/UP

CORD CX-250/UP

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-250/UP)

FUNCTIONAL DESCRIPTION:

Connects between a Test Set such as AN/MPM-2 and a Radio Set such as RC-234 to be tested.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing:

AN/MPQ-2
AN/MSQ-1
AN/MSQ-1A
AN/MSQ-2
SCR-584
SCR-584-A
SCR-584-B

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Connector AN-3106-18-4S, type 102.
1 Amphenol Receptable 97-5103-18-4P, or equal.
1 Four Conductor Cordage CO-135, #20AWG, stranded, rubber insulated conductor, rubber jacket, copper braided shield.

Cord Length: 8 feet, 3 inches.
Outside Diameter: 0.410 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; Westinghouse Electric and Manufacturing Company, Newark, New Jersey; Army Orders 47-SCRL-42, 536-SCRL-42, 896-MPD-45. G.E. dwgs. K-7888716-P5, K-7888719; Wemco dwgs. M-7409516-P-12, M-7409458-G1, M-7417451-P6. G. E. type MCS-4. G. E. and Wemco label W-2106.

STOCK NOS: (USAF) 7CAC-170264-79, (SigC) 3E6000-250	
PROCUREM'T INFO: Spec. 71-700(SigC); Dwg. SC-D-12050, Group III (SigC)	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CX-250/UP

CORD CX-252/UP

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-252/UP)

FUNCTIONAL DESCRIPTION:

Connects between a Test Set such as AN/MPM-2 and a Radio Set such as RC-234 to be tested.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing:

AN/MPQ-2
AN/MSQ-1
AN/MSQ-1A
AN/MSQ-2
SCR-584

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Connector AN-3106-28-8P.
1 Amphenol Receptable 97-5103-28-8S, or equal.
1 Fourteen Conductor Power Cable Assembly, #15 AWG, stranded, synthetic rubber insulated conductor, synthetic rubber jacket

Cord Length: 8 feet, 2-1/2 inches.
Outside Diameter: 0.680 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; Westinghouse Electric and Manufacturing Company, Newark, New Jersey. Army Orders 47-SCRL-42, 536-SCRL-42, 896-MPD-45. G.E. dwgs. K-7888716-P10, K-7888724; Wemco dwgs. M-7409516-P4, M-7409462-G1. G.E. type CW-1273. G.E. and Wemco label W-2111.

STOCK NOS:	(USAF) 7CAC-170264-78, (SigC) 3E6000-252.
PROCUREM'T INFO:	Spec. MIL-C-915 (Ships), Dwg. SC-D-12051, Group II (SigC)
COGNIZANCE:	USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1

CORD CX-253/UP

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-253/UP)

FUNCTIONAL DESCRIPTION:

Connects between a Test Set such as AN/MPM-2 and a Radio Set such as RC-234 to be tested.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing:

AN/MPQ-2
AN/MSQ-1
AN/MSQ-1A
AN/MSQ-2
SCR-584
SCR-584-A
SCR-584-B

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Connector AN-3106-28-8S.
1 Amphenol Receptacle 97-5103-28-8P, or equal.
1 Fourteen Conductor Power Cable Assembly, #15 AWG, stranded, rubber insulated, rubber jacket.

Cord Length: 8 feet, 2-1/2 inches.
Outside Diameter: 0.680 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; Westinghouse Electric and Manufacturing Company, Newark, New Jersey. Army Orders 47-SCRL-42, 536-SCRL-42, 896-MPD-45. G.E. dwgs. K-7888716-P11, K-7888725; Wemco dwg. M-7409516-P5. G.E. and Wemco Label W-2112. G.E. type CW-1273.

STOCK NOS:	(USAF) 7CAC-170264-765, (SigC) 3E6000-253.
PROCUREM'T INFO:	Spec. MIL-C-915 (Ships), Dwg. SC-D-12051, Group III (SigC).
COGNIZANCE:	USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1

CORD CX-254/UP

(CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL CX-254/UP)

FUNCTIONAL DESCRIPTION:

Connects between a Test Set such as AN/MPM-2 and a Radio Set such as RC-234 to be tested.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing:

AN/MPQ-2
AN/MSQ-1
AN/MSQ-1A
AN/MSQ-2
SCR-584
SCR-584-A
SCR-584-B

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Connector AN-3106-14S-4S.
1 Amphenol Receptacle 97-5103-14S-4P, or equal.
1 Single Conductor Power Cable Assembly, #18AWG, copper stranded, rubber insulated, neoprene jacket.

Cord Length: 8 feet, 0 inches.
Outside Diameter: 0.242 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; Westinghouse Electric and Manufacturing Company, Newark, New Jersey. Army Orders 47-SCRL-42, 536-SCRL-42, 896-MPD-45. G.E. dwgs. K-7888716-P20, M-7470202; Wemco dwg. M-7409516-P24.

STOCK NOS: (USAF) 7CAC-468730, (SigC) 3E6000-254.
PROCUREM'T INFO: Dwg. SC-D-12052, Group I (SigC).
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-254/UP

CORD CX-255/UP

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-255/UP)

FUNCTIONAL DESCRIPTION:

Connects a Test Oscilloscope to a Video Signal representing a signal from a Radio Set such as RC-234 under test.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing:

AN/MPQ-2
AN/MSQ-1
AN/MSQ-1A
AN/MSQ-2
SCR-584
SCR-584-A
SCR-584-B

ELECTROMECHANICAL DESCRIPTION:

Parts:

2 American Hardware #133 spade terminals, or equal.
1 Mueller #60-S alligator clip, or equal.
1 Plug Assembly consisting of:
  1 Monowatt #3106-14S/1 R.H. housing, or equal.
  1 Cable Clamp AN-3507-6.
1 Single Conductor Power Cable Assembly, #20 AWG, stranded, rubber insulated conductor, rubber jacket shield.

Cord Length: 5 feet, 2 inches.
Outside Diameter: 0.242 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; Westinghouse Electric and Manufacturing Company, Newark, New Jersey. Army Orders 47-SCRL-42, 536-SCRL-42, 896-MPD-45. G.E. dwgs. K-7888716-P14, M-7468198; Wemco dwgs. M-7409516-P16, K-7888716-P-14. G.E. type CW-1115A. G.E. and Wemco Label W-2115.

STOCK NOS: (USAF) 7CAC-170270-1345, (SigC) 3E6000-255.
PROCUREM'T INFO: Dwg. SC-D-12053 (SigC).
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-255/UP

CORD CX-256/UP

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-256/UP)

FUNCTIONAL DESCRIPTION:

Connects between a Test Set such as AN/MPM-2 and a Radio Set such as RC-234 to be tested.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing:

AN/MPQ-2
AN/MSQ-1
AN/MSQ-1A
AN/MSQ-2
SCR-584
SCR-584-A
SCR-584-B

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 General Electric Plug #2720, or equal.
1 General Electric Plug #2721, or equal.
1 Two Conductor Power Cable Assembly, #14AWG, stranded, rubber insulated, cotton fillers, cotton braid, rubber jacket.

Cord Length: 8 feet, 0 inches.
Outside Diameter: 0.332 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York. G.E. type S.

STOCK NOS: (USAF) 7CAC-170264-835, (SigC) 3E6000-256.
PROCUREM'T INFO: Dwg. SC-D-12054, Group I (SigC).
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-256/UP

CORD CX-257/UP

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-257/UP)

FUNCTIONAL DESCRIPTION:

Connects between a Test Set such as AN/MPM-2 and a Radio Set such as RC-234 to be tested.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing:

AN/MPQ-2
AN/MSQ-1
AN/MSQ-1A
AN/MSQ-2
SCR-584
SCR-584-A
SCR-584-B

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Connector AN-3106-36-1P, type 102.
1 Amphenol Receptacle 97-5103-36-1S, or equal.
1 Twenty-Two Conductor Power Cable Assembly, #15 AWG, stranded, synthetic rubber insulated, rubber jacket.

Cord Length: 8 feet, 2-1/2 inches.
Outside Diameter: 0.945 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; Westinghouse Electric and Manufacturing Company, Newark, New Jersey. Army Orders 47-SCRL-42, 536-SCRL-42, 896-MPD-45. G. E. dwgs. ML-7468158-G2, M-7468158-P10; Wemco dwgs. M-7409516-P9, M-7417451-P13. G.E. type CW-1273. G.E. and Wemco Label W-2113.

STOCK NOS: (USAF) 7CAC-170264-795, (SigC) 3E6000-257.	
PROCUREM'T INFO: Spec. MIL-C-915 (Ships), Dwg. SC-D-12054, Group II (SigC).	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CX-257/UP

CORD CX-258/UP

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-258/UP)

FUNCTIONAL DESCRIPTION:

Connects between a Test Set such as AN/MPM-2 and a Radio Set such as RC-234 to be tested.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing:

AN/MPQ-2
AN/MSQ-1
AN/MSQ-1A
AN/MSQ-2
SCR-584
SCR-584-A
SCR-584-B

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Connector AN-3106-36-1S, type 102.
1 Amphenol Receptacle 97-5103-36-1P, or equal.
1 Twenty-Two Conductor, Power Cable Assembly, #15 AWG, stranded, synthetic rubber insulated, rayon braid, rubber jacket.

Cord Length: 8 feet, 2-1/2 inches.
Outside Diameter: 0.945 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; Westinghouse Electric and Manufacturing Company, Newark, New Jersey. Army Orders 47-SCRL-42, 536-SCRL-42, 896-MPD-45. G.E. dwgs. K-7888716-P13, M-7468158-G1; Wemco dwgs. M-7409516-P8, M-7409453-G1. G.E. type CW-1273. G.E. and Wemco Label W-2114.

STOCK NOS: (USAF) 7CAC-170264-785, (SigC) 3E6000-258.	
PROCUREM'T INFO: Spec. MIL-C-915 (Ships), Dwg. SC-D-12054, Group III (SigC).	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CX-258/UP

CORD CX-259/UP

(CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL CX-259/UP)

FUNCTIONAL DESCRIPTION:

Connects between a Test Set such as AN/MPM-2 and a Radio Set such as RC-234 to be tested.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing:

AN/MPQ-2
AN/MSQ-1
AN/MSQ-1A
AN/MSQ-2
SCR-584
SCR-584-A
SCR-584-B

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Connector AN-3106-18-16P, type 102.
1 Connector AN-3101-18-16S, type 102.
1 Single Conductor Power Cable Assembly, #20 AWG, stranded copper, rubber insulated, 600 volts working voltage, 60 micromicrofarads per foot maximum at 1000 cycles per second, double-tinned copper braid, rubber jacket.

Cord Length: 8 feet, 3 inches.
Outside Diameter: 0.500 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; G.E. type CW-115A.

STOCK NOS: (USAF) 7CAC-170270-1427, (SigC) 3E6000-259.
PROCUREM'T INFO: Dwg. SC-D-12056, Group I (SigC).
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-259/UP

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CORD CX-260/UP

(CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL CX-260/UP)

FUNCTIONAL DESCRIPTION:

Connects between a Test Set such as AN/MPM-2 and a Radio Set such as RC-234 to be tested.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/MPQ-2.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Connector AN-3106-18-16S.

1 Connector AN-3101-18-16P.

1 Single Conductor Power Cable Assembly, #20 AWG, stranded copper, rubber insulated, 600 volts working voltage, 60 micromicrofarads per foot maximum at 1000 cycles per second, double-tinned copper braid, rubber jacket.

Cord Length: 8 feet, 3 inches.

Outside Diameter: 0.500 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, NewYork; G.E. type 1115A.

STOCK NOS: (USAF) 7CAC-170270-1428, (SigC) 3E6000-260.
PROCUREM'T INFO: Dwg. SC-D-12056, Group II (SigC).
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-260/UP

CORD CX-261/UP

(CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL CX-261/UP)

FUNCTIONAL DESCRIPTION:

Connects a Test Oscilloscope to a Video Signal representing a signal from a Radio Set such as RC-234 under test.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/MPQ-2.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Insuline Corp. of America Test Prod. #390B, or equal.

1 Amphenol Connector #80C, 80F, and 80MSP, assembled per SigC. dwg. SC-B-12-58 with capacitor CP25AIEF 104X per specification JAN-C-25.

1 Single Conductor Wire WS-16/U, #18AWG, stranded, rubber insulated, neoprene jacket.

Cord Length: 6 feet, 10 inches.

Outside Diameter: 0.535 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; Westinghouse Electric and Manufacturing Company, Newark, New Jersey. Army Orders 47-SCRL-42, 536-SCRL-42, 896-MPD-45. G.E. type CW-1125.

STOCK NOS: (USAF) 7CAC-468919-65, (SigC) 3E6000-261
PROCUREM'T INFO: Dwg. SC-D-12056, Group II (SigC).
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-261/UP

CORD CX-262/UP

(LEAD, TEST CX-262/UP)

FUNCTIONAL DESCRIPTION:
Connects between a Test Set such as AN/MPM-2 and a Radio Set such as RC-234 to be tested.

RELATIONSHIP TO OTHER EQUIPMENT:
Used in testing AN/MPQ-2 (two cords required).

ELECTROMECHANICAL DESCRIPTION:
Parts:
1 Amphenol Plug #80M, or equal.
1 Amphenol Plug #80F, or equal.
1 Single Conductor Cable, Belden Mfg. Co. type #8421, #20 AWG, stranded, synthetic rubber insulated conductor, synthetic rubber jacket, shield around.
Cord Length: 8 feet, 0 inches.
Outside Diameter: 0.405 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:
Westinghouse Electric and Manufacturing Company, Newark, New Jersey.

STOCK NOS: (USAF) 7CAC-170270-1424, (SigC) 3E6000-262.
PROCUREM'T INFO: Dwg. SC-D-12075, Group I (SigC).
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-262/UP

CORD CX-263/UP

(CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL CX-263/UP)

FUNCTIONAL DESCRIPTION:

Connects between a Test Set such as AN/MPM-2 and a Radio Set such as RC-234 to be tested.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/MPQ-2 (two cords required).

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Amphenol Plug #80M1, or equal.
1 Amphenol Plug #80F1, or equal.
1 Single Conductor Cable, Belden Mfg. Co. type #8421, #20 AWG, stranded, synthetic rubber insulated conductor, synthetic rubber jacket, shield around.

Cord Length: 8 feet, 0 inches.
Outside Diameter: 0.405 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Westinghouse Electric and Manufacturing Company, Newark, New Jersey. Wemco dwg. M-7417258-1.

STOCK NOS: (USAF) 7CAC-170270-1423, (SigC) 3E6000-263.
PROCUREM'T INFO: Dwg. SC-D-12075, Group II (SigC).
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-263/UP

CABLE CX-337/U

FUNCTIONAL DESCRIPTION:

An electrical power cable assembly used as an AC power input in testing radar equipment.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Plug, female, Hubbell No. 7257 or No. 7084.

1 Plug, male, Hubbell No. 7057 or equal.

1 Cable, 2 conductors, stranded No. 34 wire, No. 18 AWG, Underwriter Type SJ cable, unshielded; 600 volts rms working voltage of individual conductors.

Outside Diameter: 1.218 inches, minimum.

Length:	STOCK NUMBERS: (USAF)	(Army)
6 feet 0 inch	7CAC-170264-86	3E6000-337-72
7 feet 0 inch	7CAC-170264-865	3E6000-337-84
10 feet 0 inch	7CAC-170264-465	3E6000-337

MANUFACTURERS' OR CONTRACTORS' DATA:

Hewlett-Packard Company, Palo Alto, California; Navy Contract No. NOa (s)-9213.

Lavoie Laboratories, Matawan-Freehold Road, Morganville, New Jersey; Navy Contract Nos. NOa (s)-8807 and NOa (s)-9766.

Aircraft Radio Corporation, 708-10 Main Street, Boonton, New Jersey; Navy Contract No. NOa (s)-9748.

Hazeltine Electronics Corporation, 1775 Broadway, New York, New York; Navy Contract No. N383s-1427.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			Standard
STOCK NOS.	(See above)		
PROCUREM'T INFO.: BuAer Spec. MIL-G-7141 para. 3.24.2			
PROCUREM'T COG.:		DESIGN COG.:	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.3.1	
- Electronics Test Equipment -			CX-337/U

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CORD CX-339/TPS-1B

FUNCTIONAL DESCRIPTION:

An electrical cable assembly used with **Radio Set AN/TPS-1B.**

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Connector AN-3106-24-55.
1 Connector AN-3108-24-55.
2 Cord Clamps AN-3057-12.
1 Cable, Western Electric Co. **Type KS-9529, or equal.**

Length: As specified.

MANUFACTURERS' OR CONTRACTORS' DATA:

Western Electric Company, 120 Broadway, New York, New York; Navy Contract No. NXsr-38886.

STOCK NOS: (USAF) 1800-322975229, (SigC) 3E6000-339
PROCUREM'T INFO:
COGNIZANCE: FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-339/TPS-1B

oject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CORD CX-414/CPS-1

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-414/CPS-1)

FUNCTIONAL DESCRIPTION:

Connects a Radar Transmitter such as T-68/CPS-1 to a Modulator such as MD-25/CPS-1 for operational testing.

RELATIONSHIP TO OTHER EQUIPMENT:

This equipment is part of AN/CPS-1, AN/MPS-5.

ELECTROMECHANICAL DESCRIPTION:

Parts:

2 G.E.Lug Terminals K-7100610-P2, or equal, on each end.

1 Seven Conductor Cable, stranded, alloy-coated copper, each conductor #16AWG consisting of 26 strands of #30AWG, flamenol sheath, soft cotton braid, color-coded rayon braid, felted asbestos, flamenol insulation.

Cord Length: 15 feet 0 inches.

Outside Diameter: 0.883 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; Army Order 437-MPD-43, PP-1769; G.E. type MHFF; drawings P-7768012, ML-7767568-G2.

STOCK NOS: (USAF) 1800-322975422, (SigC) 3E6000-414.
PROCUREM'T INFO:
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-414/CPS-1

CORD CX-434/CPS-1

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-434/CPS-1)

FUNCTIONAL DESCRIPTION:

Connects a control assembly such as CY-142/CPS-1 unit to a test bench.

RELATIONSHIP TO OTHER EQUIPMENT:

This equipment is part of AN/CPS-1, and AN/MPS-5.

ELECTROMECHANICAL DESCRIPTION:

Parts:

2 G.E. Lug Terminals K-7101486-P2, or equal, on each end.

1 Four Conductor Cable, stranded, alloy-coated copper, each conductor #16AWG consisting of 49 strands of #23AWG, neoprene sheath, with open mesh cord reinforcing, rubber compound 0.464 inch thick over each conductor.

Cord Length: 125 feet 0 inches.

Outside Diameter: 1.332 inches.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; Army Order 473-MPD-43, PP-1769; G.E. type CW-1263-A; drawings P-7768012, ML-7767560-G1.

STOCK NOS: (USAF) 1800-322975478, (SigC) 3E6000-434.	
PROCUREM'T INFO:	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CX-434/CPS-1

CORD CX-436/CPS-1

(CABLE ASSEMBLY, POWER, ELECTRICAL, CX-436/CPS-1)

FUNCTIONAL DESCRIPTION:

Connects a radar transmitter such as T-68/CPS-1 to a test bench.

RELATIONSHIP TO OTHER EQUIPMENT:

This equipment is part of AN/CPS-1, and AN/MPS-5.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Plug AN-3106-14S-95, per G.E. drawing K-7102792-P2, or equal.
1 Plug per G.E. drawing K-7888669-P1, or equal.
1 Two Conductor Cable, stranded, alloy-coated copper, each conductor #16AWG consisting of 26 strands of #30AWG, flamenol sheath, colored cotton braid, rubber insulation.

Cord Length: 6 feet 0 inches.
Outside Diameter: 0.332 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; Army Order 473-MPD-43, PP-1769; drawings P-7768012, ML-7104673-G1.

STOCK NOS: (USAF) 1800-322975483, (Army) 3E6000-436.
PROCUREM'T INFO:
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-436/CPS-1

ect was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CORD CX-261/UP

(CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL CX-261/UP)

FUNCTIONAL DESCRIPTION:

Connects a Test Oscilloscope to a Video Signal representing a signal from a Radio Set such as RC-234 under test.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/MPQ-2.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Insuline Corp. of America Test Prod. #390B, or equal.

1 Amphenol Connector #80C, 80F, and 80MSP, assembled per SigC. dwg. SC-B-12-58 with capacitor CP25AIEF 104X per specification JAN-C-25.

1 Single Conductor Wire WS-16/U, #18AWG, stranded, rubber insulated, neoprene jacket.

Cord Length: 6 feet, 10 inches.

Outside Diameter: 0.535 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; Westinghouse Electric and Manufacturing Company, Newark, New Jersey. Army Orders 47-SCRL-42, 536-SCRL-42, 896-MPD-45. G.E. type CW-1125.

STOCK NOS: (USAF) 7CAC-468919-65, (SigC) 3E6000-261	
PROCUREM'T INFO: Dwg. SC-D-12056, Group II (SigC).	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CX-261/UP

CORD CX-468/U

(CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL CX-468/U)

FUNCTIONAL DESCRIPTION:

Connects a Test Meter such as IS-189 to points on a Transmitter-Receiver such as TS-228/AP for test measurements.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-6B.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Plug PL-55.

2 Insulated Phone Tip Plugs consisting of:

1 Test Plug, ICA #885-R, red insulated, 2-1/4" long, S/N 2Z7111.9.

1 Test Plug, ICA #885-B, black insulated, 2-1/4" long, S/N 2Z7111.10.

1 Two Conductor Cordage CO-119-A or -B, #20 AWG, stranded, rubber insulated, rubber jacket.

Cord Length: 4 feet, 6 inches.

Outside Diameter: 0.28 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Maguire Industries, Inc., Bridgeport, Connecticut, Army Order 4-DAY-45RA.

STOCK NOS:	(USAF) 7CAC-170270-1359, (SigC) 3E6000-468-54.
PROCUREM'T INFO:	Dwg. SC-C-17920 (SigC).
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CX-468/U

CORD CX-510/TPS-10

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-510/TPS-10)

FUNCTIONAL DESCRIPTION:

Connects a Junction Box such as J-107/TPS-10 of a Radar Set to an Oscilloscope such as TS-262/TPS-10 and/or to a Control Box such as C-257/TPS-10.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/TPS-10, AN/TPS-10A.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Amphenol Connector 97-3106-20-854-SA (101-SW-7C), or equal.
1 Amphenol Connector 97-3108-20-854-SA (101-SW-7C), or equal.
1 Power Cable Assembly, S/N 1B3014-2.11, including Two Conductors #14AWG, each consisting of 41 strands of #30AWG tinned copper wire, Buna S insulated, and jacketed per Spec. 71-4945 (SigC).

Cord Length: 6 feet, 0 inches.
Outside Diameter: 0.500 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Zenith Radio Corporation, Chicago 39, Illinois; Army Order 5000-DAY-45.

STOCK NOS: (USAF) 1800-324760900, (SigC) 3E6000-510.69.
PROCUREM'T INFO: Spec. C-7400 (USAF), Dwg. 45B50010 (USAF).
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-510/TPS-10

CORD CX-516/TPS-10

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-516/TPS-10)

FUNCTIONAL DESCRIPTION:

Connects a Junction Box such as J-107/TPS-10 to a slip ring assembly.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/TPS-10.

ELECTROMECHANICAL DESCRIPTION:

Parts:

2 Amphenol Connector 97-3106-20-854-SA (101-WS-7C), or equal.

1 Power Cable Assembly, including Two Conductors #14AWG, each consisting of 41 strands of #30AWG tinned copper wire, individual conductor insulation per specification 71-4945 (SigC), rated working voltage 115 volts AC, glass filler, with fungicide wax, vinyl plastic jacket, round.

Cord Length: 6 feet, 0 inches.

Outside Diameter: 0.500 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Zenith Radio Corporation, Chicago 39, Illinois, Army Order 5000-DAY-45.

STOCK NOS: (USAF) 7CAC-170264-735, (SigC) 3E6000-516-72.
PROCUREM'T INFO: Spec. 7400 (USAF).
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-516/TPS-10

CORD CX-520/TPS-10

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-520/TPS-10)

FUNCTIONAL DESCRIPTION:

Connects a Junction Box such as J-107/TPS-10 to a Test Set such as TS-263A/TPS-10.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/TPS-10.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Amphenol Connector 97-3106-20-8455A (101-WS-7C), or equal.

1 Hubbell Connector #7257, or equal.

1 Power Cable Assembly, including Two Conductors #14AWG, each consisting of 41 strands of #30AWG tinned copper wire, individual conductor insulation per Spec. 71-4945 (SigC), rated working voltage 115 volts, AC, glass filler with fungicide wax, vinyl plastic jacket, round.

Cord Length: 8 feet, 0 inches.

Outside Diameter: 0.500 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Zenith Radio Corporation, Chicago 39, Illinois; Army Order 5000-DAY-45.

STOCK NOS: (USAF) 1800-322975712, (SigC) 3E6000-520.
PROCUREM'T INFO: Spec. 7400 (USAF).
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-520/TPS-10

CORD CX-572/CPX

(CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL CX-572/CPX)

FUNCTIONAL DESCRIPTION:

Connects a Rack such as FM-80 to a component of a Radar Set removed for testing.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-2.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Belmont Special Male Plug, C-2B-3903-1, or equal.
1 Belmont Special Female Plug, C-2B-3902-1, or equal.
1 Dual Cable including:
- 1 Seven Conductor Cable, 7X26 shielded copper wire, polyethylene di-electric cover.
- 1 Fourteen Conductor Cable, 32 x 30 wire, 85% latex covered, color code cotton braid over latex insulation.
- 1 Over-all outer jacket of WPB type WB rubber compound.

Cord Length: 8 feet, 0 inches.
Outside Diameter: 0.883 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Belmont Radio Corporation, Chicago 39, Illinois; Army Contracts W-28-003-sc-909 (3612-CEGSA-44), W-28-003-sc-911 (3701-CEGSA-44); Belmont dwgs. C-2B-3902-1, C-2B-3903-1.

STOCK NOS: (USAF) 1800-322985030, (SigC) 3E6000-572.
PROCUREM'T INFO:
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-572/CPX

CORD CX-762/CPM-10

(CABLE ASSEMBLY, POWER, ELECTRICAL, CX-762/CPM-10)

FUNCTIONAL DESCRIPTION:

Connects between a Radar Receiver such as the R-79/CPS-1 and other components used for testing.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing Radio Sets AN/CPS-1 and AN/MPS-5, Radar Set AN/CPS-4 and Radar Test Set AN/CPM-10.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Connector AN-3106-14S-9S, or equal.
1 G.E. Outlet Plug P818, or equal.
1 G.E. Cable type SJ-16, or equal.

Cord Length: 10 feet 0 inches.
Outside Diameter: 0.303 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York.

STOCK NOS: (USAF) 1800-322978640, (Army) 3E6000-762.
PROCUREM'T INFO:
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-762/CPM-10

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CORD CX-985/U

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-985/U)

FUNCTIONAL DESCRIPTION:

Connects a Test Set such as AN/CPM-11 or AN/CPM-12 to a Radio Set.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-6B.

ELECTROMECHANICAL DESCRIPTION:

Parts:

2 Mueller Clips, #60 S, or equal.
2 American Radio Hardware pin tips #141, or equal.
1 Power Cable including a single copper conductor #18AWG, consisting of 65 strands of #36AWG; rubber jacket; round; color coded.

Cord Length: 6 feet, 0 inches.
Outside Diameter: 0.140 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; Radiation, Inc., Melbourne, Florida. Army Orders 704-MPD-45 (Radiation, Inc.), 1614-MPD-45 (G. E.). Radiation, Inc. dwg. B-14491-L; G.E. dwg. ML7403955G1.

STOCK NOS: (USAF) 7CAC-170264-695, (SigC) 3E6000-985-72.	
PROCUREM'T INFO:	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CX-985/U

CORD CX-986/U

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-986/U)

FUNCTIONAL DESCRIPTION:

Connects a Test Set such as AN/CPM-11 or AN/CPM-12 to a Radio Set.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-6B.

ELECTROMECHANICAL DESCRIPTION:

Parts:

2 American Radio Hardware pin tips #141, or equal.
2 American Radio Hardware test prods #145, or equal.
1 Power Cable including a single copper conductor #18AWG, consisting of 65 strands of #36AWG, rubber jacketed; round; color coded.

Cord Length: 6 feet, 0 inches.
Outside Diameter: 0.140 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; Radiation, Inc., Melbourne, Florida. Army Orders 704-MPD-45 (Radiation, Inc.), 1614-MPD-45 (G. E.). Radiation, Inc. dwg. B-14491-L; G. E. dwg. ML7403958G2.

STOCK NOS: (USAF) 7CGE-ML7403058G1, (SigC) 3E6000-986-72.	
PROCUREM'T INFO:	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CX-986/U

CORD CX-1021/ARN-6

(CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL CX-1021/ARN-6)

FUNCTIONAL DESCRIPTION:

Connects a Radio Compass Unit such as R-101/ARN-6 to a Mounting such as MT-273/ARN-6 or MT-275/ARN-6.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/ARN-6.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Special Plug per AF Dwg. #46D41722.
1 Special Socket per AF Dwg. #46D41710.
1 Power Cable including twenty conductors; seventeen #22AWG and three #16AWG; stranded tinned copper wire; each conductor consisting of 10 strands of #29AWG; outer shield of transparent plastic; round.

Cord Length: 6 feet, 3 inches.
Outside Diameter: 0.625 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Neptune Electronic Company, 433 Broadway, New York, New York.

STOCK NOS: (USAF) 7CAC-170270-1383, (SigC) 3E6000-1021-72.
PROCUREM'T INFO: Dwg. 46G41679 (USAF).
COGNIZANCE: USAF, C&N FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-1021/ARN-6

CABLE CX-1107/U

(CABLE ASSEMBLY, SPECIAL PURPOSE, CX-1107/U)

FUNCTIONAL DESCRIPTION:

Connects any of several components in a direction finding kit such as the MX-536/GRD or a direction finding group with a component of an associated radar set.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/GRA-7, -8.

ELECTROMECHANICAL DESCRIPTION:

Parts:

2 Cannon type connector DPD-B28-34P, with shell and handle, or equal.

1 Cable including 28 #16AWG conductors (JAN wires WL-2-1/2 (19)-16) per specification JAN-C-76; individual conductor insulation, color coded, 600 volts working voltage including Round Vinylite outer sleeving.

Length: 6 feet 0 inches.

Outside Diameter: 1.000 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Federal Telecommunications Laboratory, New York, New York; USAF Contract W-33-038-ac-21373.

STOCK NOS: (USAF) 1700-015656205	
PROCUREM'T INFO: Drawing 50C54537 (USAF)	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CX-1107/U

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CABLE CX-1108/U

(CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, CX-1108/U)

FUNCTIONAL DESCRIPTION:

Test cable for connecting any one of several components in a Direction Finding Kit such as the MX-536/GRD.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/GRA-7, -8.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Cannon type connector DPD-15C2-34P with shell and handle, or equal.

1 Cannon type connector DPD-15C2-33S with shell and handle, or equal.

1 Cable including thirteen conductors #16AWG (JAN wires WL-2-1/2 (19)-16) per specification JAN-C-76; two conductors RF Cable RG-62/U; individual cord insulation; color coded, 600 volts working voltage, vinylite outer sleeving, round.

Cord Length: 6 feet.

Outside Diameter: 1.000 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Federal Telecommunications Laboratory, New York, New York; USAF Contract W-33-038-ac-21373.

STOCK NOS: (USAF) 1700-015656207
PROCUREM'T INFO: Drawing 50C54536 (USAF).
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-1108/U

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CABLE CX-1109/U

(CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, CX-1109/U)

FUNCTIONAL DESCRIPTION:

Connects any one of several power supplies to its associated component and to an AC power line for bench testing the component.

RELATIONSHIP TO OTHER EQUIPMENT:

Used with MX-536/GRD, Direction Finding Kit, and for testing the AN/GRA-7, -8.

ELECTROMECHANICAL DESCRIPTION:

Parts:

2 Cannon type connectors DPD-15C2-34P with shell and handle, or equal.

1 Cable including thirteen conductors #16AWG (JAN wires WL-2-1/2 (19)-16) per specification JAN-C-76; two conductors RF Cable RG-62/U; two conductors #16AWG Underwriters' type SJ; individual conductor insulation; 600 volts working voltage; vinylite outer sleeving, except cable type SJ; round.

Cord Length:	STOCK NUMBERS (USAF)	(Army)
6 feet 0 inch	1700-015654630	
6 feet 0 inch	1700-015656211	
6 feet 6 inches.	1700-015656213	

Outside Diameter: 1.000 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Federal Telecommunications Laboratory, New York, New York; USAF Contract W-33-038-ac-21373.

STOCK NOS: (See Electromechanical Description).	
PROCUREM'T INFO: Drawing 50C5438 (USAF).	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CX-1109/U

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SPECIAL PURPOSE CABLE ASSEMBLY CX-1158/U

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-1158/U)

FUNCTIONAL DESCRIPTION:
Connects components of a Radar Set for control purposes.

RELATIONSHIP TO OTHER EQUIPMENT:
Used in testing AN/CPS-6B.

ELECTROMECHANICAL DESCRIPTION:
Parts:
1 Buggie type 1129 plug with type 1138 clamp, or equal.
1 Buggie type 1146 plug with type 1138 clamp, or equal.
1 Cable including nineteen conductors #16AWG, each consisting of 26 strands of #30 AWG soft copper wire; conductors individually insulated with natural rubber compound and cotton braid, color coded; rated working voltage 300 volts; soft cotton wrap butyl compound jacket; round.
Over-all Length: 12 feet, 0 inches.
Outside Diameter: 0.970 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:
General Electric Company, Schenectady, New York; USAF Contract W-33-038-ac-16195.

STOCK NOS: (USAF) 1800-324771501.
PROCUREM'T INFO: USAF Exhibit WLENG-101.
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO. 11.3.1
- Electronics Test Equipment - CX-1158/U

SWITCHBOARD CORD CX-1220/U

FUNCTIONAL DESCRIPTION:

Used for making temporary connections on jack panels of main frame and chief controllers unit.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Parts:

3 No. 20 AWG stranded tinned copper conductors, insulated, cotton filler.

10 No. 30 AWG strands, insulated with 30% rubber compound, black, white, and green (green wire not used).

2 WECo Plugs No. 310.

Operating Voltage: 500 volts, rms.

Shield: Braided No. 34 AWG tinned copper wire; soft cotton wind; neoprene outer jacket.

Length:	STOCK NUMBERS: (USAF)
1 foot 6 inches	1800-324773008
2 feet 0 inch	1800-324773014
4 feet 0 inch	1800-324773039
10 feet 0 inch	1800-324773000

MANUFACTURERS' OR CONTRACTORS' DATA:

Manufacturer: Connecticut Telephone and Electric, Division of Great American Industries, 70 Britannia Street, Meriden, Connecticut; Part/Dwg. No. 20302.

Contractor: General Electric Company, 1 River Road, Schenectady 5, New York; USAF Contract No. W33-038-ac-16195.

STOCK NOS: (See above)	
PROCUREM'T INFO: Exhibit WLENG-105	
COGNIZANCE:	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CX-1220/U

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SPECIAL PURPOSE CABLE ASSEMBLY CX-1224/U

FUNCTIONAL DESCRIPTION:

A special purpose cable assembly used to facilitate bench testing of a radar beacon such as AN/APN-11. Used essentially as a patch cord for the transmission of DC voltages.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Parts:

4 No. 22 AWG tinned copper stranded conductors: each conductor consists of seven No. 30 AWG strands.

1 Amphenol connector, catalog No. 70-26 (4 prong plug), (RCA Part/Dwg. No. 440861-5, Navy Stock No. R17-P-4440-10).

1 Amphenol connector, catalog No. 77-26 (4 contact socket), (RCA Part/Dwg. No. 440861-6, Navy Stock No. R16-C-30215).

Insulation: Vinyl resin.
Color Code: Blue, white, black, and red.
Working voltage: 300 volts, DC.
Braid: Single layer of Saran Type B-115 filament.
Color: Opaque olive drab.
Shape: Round.
Length: 16 inches excluding terminations.

MANUFACTURERS' OR CONTRACTORS' DATA:

Radio Corporation of America, 501 North LaSalle, Indianapolis, Indiana; RCA Victor, Part/Dwg. No. 438956; RCA Stock No. R16-RCA-438956-501; USAF Contract No. W33-038-ac-21045.

STOCK NOS: (USAF) 1660-322863528	
PROCUREM'T INFO:	
COGNIZANCE:	FUNCTIONAL CLASS. NO.: 11. 3. 1
- Electronics Test Equipment -	CX-1224/U

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SPECIAL PURPOSE CABLE ASSEMBLY CX-1237/CPN-2A

(CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL CX-1237/CPN-2A)

FUNCTIONAL DESCRIPTION:

Connects sub-chassis to a Radio Set such as AN/CPN-2A when removed for testing.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/APN-84 and Type S-4 Shoran Bombing Navigational System.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 RCA Fifteen Pin Male Connector P-7377661-1, or equal.
1 RCA Fifteen Pin Female Connector P-7377661-2, or equal.
1 Cable including fifteen miscellaneous conductors, some shielded, some JAN type WL, some RF Cable RG-62/U.

Over-all Length: 12 feet, 0 inches.
Outside Diameter: 0.883 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Radio Corporation of America, Camden, New Jersey; Ucinite Company, Newtonville, Massachusetts; Buggie Manufacturing Company, Toledo1, Ohio. RCA dwg. P-737794-501.

STOCK NOS: (USAF) 1800-324773301.
PROCUREM'T INFO:
COGNIZANCE: USAF, Arm. FUNCTIONAL CLASS. NO.: 11.3 1
- Electronics Test Equipment - CX-1237/CPN-2A

CABLE CX-1312/U

(CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL CX-1312/U)

FUNCTIONAL DESCRIPTION:

Connects between a Console and an AF Oscillator such as the O-95/MSQ-1 when removed for testing.

RELATIONSHIP TO OTHER EQUIPMENT:

The item is part of Console OA-132/MSQ-1 and is used in testing AN/MSQ-1, -2.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Winchester Plug QRE-18P.
1 Winchester Socket QRE-18S.
1 Cable including nineteen stranded conductors #18AWG, color coded, 600 volts working voltage; eleven conductors have copper shield braid; over-all jacket of plastic tubing Irvolite type XTE-30; round.

Cord Length: 4 feet.
Outside Diameter: 0.750 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Reeves Instrument Corporation, New York, New York; USAF Contract W-33-038-ac-17765, dwg. 92955-7.

STOCK NOS:
PROCUREM'T INFO:
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-1312/U

CABLE CX-1313/U

(CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL CX-1313/U)

FUNCTIONAL DESCRIPTION:

Connects between a Console such as OA-132-MSQ-1 and an Electronic Control Amplifier such as AM-311/MSQ-1, when it is removed for testing.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/MSQ-1, -2.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Winchester Plug QRE-18P.
1 Winchester Socket QRE-18S.
1 Cable including nineteen stranded conductors #18AWG, color coded, 600 volts working voltage; thirteen conductors have copper shield braid; over-all jacket of plastic tubing Irvolite type XTE-30; round.

Cord Length: 4 feet.
Outside Diameter: 0.750 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Reeves Instrument Corporation, New York, New York; USAF Contract W-33-038-ac-17765, dwg. 92955-5.

STOCK NOS:
PROCUREM'T INFO:
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-1313/U.

SPECIAL PURPOSE CABLE ASSEMBLY CX-1314/U

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-1314/U)

FUNCTIONAL DESCRIPTION:

Connects between a Console such as OA-132/MSQ-1 and an Electronic Control Amplifier such as AM-307/MSQ-1 when it is removed for testing.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/MSQ-1, -2.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Winchester Plug QRE-18P.
1 Winchester Socket QRE-18S.
1 Cable including nineteen stranded conductors #18AWG, color coded, 600 volts working voltage; nine conductors have copper shield braid; over-all jacket of plastic tubing Irvolite type XTE-30; round.

Cord Length: 4 feet.
Outside Diameter: 0.750 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Reeves Instrument Corporation, New York, New York; USAF Contract W-33-038-ac-17765, drawing 92955-1.

STOCK NOS:	
PROCUREM'T INFO:	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CX-1314/U

SPECIAL PURPOSE CABLE ASSEMBLY CX-1315/U

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-1315/U)

FUNCTIONAL DESCRIPTION:

Connects between a Console such as OA-132/MSQ-1 and an Electronic Control Amplifier such as the AM-308/MSQ-1 when it is removed for testing.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/MSQ-1, -2.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Winchester Plug QRE-18P.
1 Winchester Socket QRE-18S.
1 Cable including twenty stranded conductors, #18AWG, nylon insulated, color coded, 600 volts working voltage; eleven conductors have copper shield braid; over-all jacket of plastic tubing Irvolite type XTE-30; round.

Cord Length: 4 feet.
Outside Diameter: 0.750 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Reeves Instrument Corporation, New York, New York; USAF Contract W-33-038-ac-17765, dwg. 92955-2.

STOCK NOS:	
PROCUREM'T INFO:	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CX-1315/U

SPECIAL PURPOSE CABLE ASSEMBLY CX-1316/U

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-1316/U)

FUNCTIONAL DESCRIPTION:

Connects between a Console such as the OA-132/MSQ-1 and a DC Amplifier such as the AM-310/MSQ-1 when removed for testing.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/MSQ-1, -2.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Winchester Plug QRE-18P.
1 Winchester Socket QRE-18S.
1 Cable including twenty stranded conductors, #18AWG, nylon insulated, color coded, 600 volts working voltage; over-all jacket of plastic tubing Irvolite type XTE-30; round.

Cord Length: 4 feet.
Outside Diameter: 0.750 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Reeves Instrument Corporation, New York, New York; USAF Contract W-33-038-ac-17765, dwg. 92955-4.

STOCK NOS:	
PROCUREM'T INFO:	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CX-1316/U

SPECIAL PURPOSE CABLE ASSEMBLY CX-1317/U

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-1317/U)

FUNCTIONAL DESCRIPTION:

Connects between a Console such as the OA-132/MSQ-1 and an AF Oscillator such as the O-97/MSQ-1 when removed for testing.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/MSQ-1, -2.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Winchester Plug QRE-18P.

1 Winchester Socket QRE-18S.

1 Cable including twelve stranded conductors, #18AWG, nylon insulated, color coded, 600 volts working voltage; all conductors have copper shield braid; over-all jacket of plastic tubing Irvolite type XTE-30; round.

Over-all Length: 4 feet.

Outside Diameter: 0.750 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Reeves Instrument Corporation, New York, New York; USAF Contract W-33-038-ac-17765, dwg. 92955-6.

STOCK NOS:	
PROCUREM'T INFO:	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CX-1317/U

TEST LEAD SET CX-1331/U

FUNCTIONAL DESCRIPTION:

Used to connect a multimeter with the circuit or component to be tested.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Parts:

2 Conductors, stranded copper No. 18 AWG, cotton or rayon wrap, synthetic rubber, one black, one red.
2 Test prods.
2 Alligator clips.

Length: 4 feet 0 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Radio City Products Company, Inc., 152 West 25th Street, New York, New York; Part No. 28-67-68; SigC Order No. 6872-PH-51-04.

STOCK NOS: (USAF) 7CAC-468919-83, (Army) 3E6000-1331.1	
PROCUREM'T INFO: SigC Dwg. SC-C-6878	
COGNIZANCE:	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CX-1331/U

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WIRING ASSEMBLY CX-1395/U

(CABLE ASSEMBLY, POWER, ELECTRICAL, CX-1395/U)

FUNCTIONAL DESCRIPTION:

Connects a range mark generator and an angle mark generator to a power supply source for test purposes.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-6B.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Amphenol Socket AN-3106-28-2S with Adapter AN-3055-28-10 and Clamp AN-3057-10, or equal.

1 Amphenol Plug AN-3106-28-2P with Adapter AN-3055-28-10 and Clamp AN-3057-10, or equal.

1 Amphenol Plug AN-3106-16-10P with Adapter AN-3055-16-4 and Clamp AN-3057-4, or equal.

1 Cable including nine wires #16AWG stranded per specification JAN-C-76, each consisting of 16 strands 0.0126 inch diameter or 19 strands 0.0117 inch diameter tinned copper wire; 0.016 inch nominal wall of black extruded thermoplastic insulation, colored lacquered rayon braid; jacketed in black flexible extruded plastic tubing; 600 volts rms working voltage; used between the socket and the first plug.

1 Cable including two wires #16AWG stranded per specification JAN-C-76, each consisting of 16 strands 0.0126 inch diameter or 19 strands 0.0117 inch diameter tinned copper wire; 0.016 inch nominal wall of black extruded thermoplastic insulation, colored lacquered rayon braid; jacketed in black flexible extruded plastic tubing; 600 volts rms working voltage; used between the socket and the second plug.

Cable Length: 3 feet 0 inches.

Outside Diameter: 0.121 inches.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; USAF Contract W-33-038-ac-16195; G.E. drawing M-7405251.

STOCK NOS:(USAF) 7CAC-170264-9994 & 7CMD-108A.(Army) 3E5999-40.
PROCUREM'T INFO: USAF Exhibit WLENG-108A.
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-1395/U

oject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

WIRING ASSEMBLY CX-1396/U

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-1396/U)

FUNCTIONAL DESCRIPTION:

Connects a stalo to a power source for test purposes.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-6B.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Amphenol Plug AN-3106-32-12P with Adapter AN-3055-32-12 and Clamp AN-3057-12, or equal.

1 Amphenol Socket AN-3106-28-2S with Adapter AN-3055-28-10 and Clamp AN-3057-16, or equal.

1 Cable including eight wires #16AWG stranded per specification JAN-C-76, each consisting of 16 strands 0.0126 inch diameter or 19 strands 0.0117 inch diameter tinned copper wire; 0.016 inch nominal wall of black extruded thermoplastic insulation, colored lacquered rayon braid; jacketed in black flexible extruded plastic tubing; 600 volts rms working voltage.

Cable Length: 3 feet 0 inches.

Outside Diameter: 0.121 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; USAF Contract W-33-038-ac-16195; G.E. drawing K-7005672.

STOCK NOS: (USAF) 7CAC-170264-67, (SigC) 3E5999-41.
PROCUREM'T INFO: USAF Exhibit WLENG-108A.
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-1396/U

WIRING ASSEMBLY CX-1397/U

(CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL CX-1397/U)

FUNCTIONAL DESCRIPTION:

Connects the signal output of a signal unit to a test oscilloscope.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-6B.

ELECTROMECHANICAL DESCRIPTION:

Parts:

17 Aviation Marine Products Terminals 30991, or equal.

1 Amphenol Socket AN-3106-28-16S with Clamp AN-3057-16, or equal.

1 Cable including four wires #14AWG, six wires #16AWG, six wires #20AWG, and one wire #22AWG, stranded per specification JAN-C-76; each #14AWG wire consists of 26 strands 0.0126 inch diameter tinned copper wire, 0.018 inch nominal wall of black extruded thermoplastic insulation; each #16AWG wire consists of 16 strands 0.0126 inch diameter or 19 strands 0.0117 inch diameter tinned copper wire, 0.016 inch nominal wall of black extruded thermoplastic insulation; each #20AWG wire consists of 7 strands 0.0126 inch diameter tinned copper wire, 0.010 inch nominal wall of black extruded thermoplastic insulation; the #22AWG wire consists of 7 strands 0.010 inch diameter tinned copper wire, 0.010 inch nominal wall of black extruded thermoplastic insulation; all wires covered with colored lacquered rayon braid, jacketed in black flexible extruded plastic tubing; 600 volts rms working voltage.

Cable Length: 7 feet 0 inches.

Outside Diameter: 0.332 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; USAF Contract W-33-038-ac-16195; G.E. drawing M7405250.

STOCK NOS: (USAF) 7CAC-170270-1363, (SigC) 3E5999-42.	
PROCUREM'T INFO: USAF Exhibit WLENG-108A.	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CX-1397/U

WIRING ASSEMBLY CX-1398/U

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-1398/U)

FUNCTIONAL DESCRIPTION:

Connects a low voltage power supply to an indicator for test purposes.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-6B.

ELECTROMECHANICAL DESCRIPTION:

Parts:

2 Amphenol Sockets AN-3106-32-12S with Adapter AN-3055-32-12 and Clamp AN-3057-12, or equal.

1 Amphenol Plug AN-3106-16-10P with Adapter AN-3055-16-4 and Clamp AN-3057-4, or equal.

1 Cable including eight wires #16AWG stranded per specification JAN-C-76, each consisting of 16 strands 0.0126 inch diameter or 19 strands 0.0117 inch diameter tinned copper wire; 0.016 inch nominal wall of black extruded thermoplastic insulation, colored lacquered rayon braid; jacketed in black flexible extruded plastic tubing; 600 volts rms working voltage; used between one socket and the other socket.

1 Cable including four wires #16AWG stranded per specification JAN-C-76, each consisting of 16 strands 0.0126 inch diameter or 19 strands 0.0117 inch diameter tinned copper wire; 0.016 inch nominal wall of black extruded thermoplastic insulation, colored lacquered rayon braid; jacketed in black flexible extruded plastic tubing; 600 volts rms working voltage; used between one socket and the plug.

Cable Length: 3 feet 2 inches.

Outside Diameter: 0.121 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; USAF Contract W-33-038-ac-16195; G.E. drawing ML-7405323-G1.

STOCK NOS: (USAF) 7CAC-170264-**68** (SigC) 3E5999-**43**.
PROCUREM'T INFO: USAF Exhibit WLENG-108A.
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-1398/U

WIRING ASSEMBLY CX-1399/U

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-1399/U)

FUNCTIONAL DESCRIPTION:

Connects between the power source of a signal unit and a PPI oscilloscope for test purposes.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-6B.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Amphenol Plug AN-3106-28-16P with Clamp AN-3057-16, or equal.
1 Amphenol Socket AN-3106-28-16S with Clamp AN-3057-16, or equal.
1 Cable including four wires #14AWG and fifteen wires #16AWG stranded per specification JAN-C-76; each #14AWG wire consists of 26 strands 0.0126 inch diameter tinned copper wire, 0.018 inch nominal wall of black extruded thermoplastic insulation; each #16AWG wire consists of 16 strands 0.0126 inch diameter or 19 strands 0.0117 inch diameter tinned copper wire, 0.016 nominal wall of black extruded thermoplastic insulation; both wires covered with colored lacquered rayon braid, jacketed in black flexible extruded plastic tubing; 600 volts rms working voltage.

Cable Length: 7 feet 0 inches.
Outside Diameter: 0.332 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; USAF Contract W-33-038-ac-16195; G.E. drawing K-7005671.

STOCK NOS: (USAF) 7CAC-170264-6, (SigC) 3E5999-44.
PROCUREM'T INFO: USAF Exhibit WLENG-108A.
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-1399/U

WIRING ASSEMBLY CX-1400/U

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-1400/U)

FUNCTIONAL DESCRIPTION:

Connects power to the crystal calibrator and interference blanker for test purposes.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-6B.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Amphenol Plug AN-3106-28-2P with Adapter AN-3055-28-10 and Clamp AN-3057-10, or equal.

1 Amphenol Socket AN-3106-22-33S with Adapter AN-3055-22-8 and Clamp AN-3057-8, or equal.

1 Amphenol Plug AN-3106-16-10P with Adapter AN-3055-16-4 and Clamp AN-3057-4, or equal.

1 Cable including four wires #16AWG stranded per specification JAN-C-76, each consisting of 16 strands 0.0126 inch diameter or 19 strands 0.0117 inch diameter tinned copper wire; 0.016 inch nominal wall of black extruded thermoplastic insulation, colored lacquered rayon braid; jacketed in black flexible extruded plastic tubing; 600 volts rms working voltage; two wires connect from each of the plugs to the socket.

Cable Length: 3 feet 0 inches.

Outside Diameter: 0.121 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; USAF Contract W-33-038-ac-16195; G.E. drawing M-7405252.

STOCK NOS: (USAF) 7CAC-170264-635, (SigC) 3E5999-45.
PROCUREM'T INFO: USAF Exhibit WLENG-108A.
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-1400/U

WIRING ASSEMBLY CX-1401/U

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-1401/U)

FUNCTIONAL DESCRIPTION:

Connects power to a preamplifier for test purposes.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-6B.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Amphenol Plug AN-3106-14S-5P with Clamp AN-3057-6, or equal.
1 Amphenol Socket AN-3106-14S-5S with Clamp AN-3057-6, or equal.
1 Cable including five wires #16AWG stranded per specification JAN-C-76, each consisting of 16 strands 0.0126 inch diameter or 19 strands 0.0117 inch diameter tinned copper wire; 0.016 inch nominal wall of black extruded thermoplastic insulation, colored lacquered rayon braid; jacketed in black flexible extruded plastic tubing; 600 volts rms working voltage.

Cable Length: 3 feet 0 inches.
Outside Diameter: 0.125 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; USAF Contract W-33-038-ac-16195; G.E. drawing K-7005673.

STOCK NOS: (USAF) 7CAC-170264-62, (SigC) 3E5999-46.
PROCUREM'T INFO: USAF Exhibit WLENG-108A.
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-1401/U

WIRING ASSEMBLY CX-1402/U

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-1402/U)

FUNCTIONAL DESCRIPTION:

Connects power to and from the modulator reverse current and recycling unit.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-6B.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Amphenol Plug AN-3106-16-10P with Adapter AN-3055-16-4 and Clamp AN-3057-4, or equal.

1 Amphenol Socket AN-3106-22-33S with Adapter AN-3055-22-8 and Clamp AN-3057-8, or equal.

1 Amphenol Socket AN-3106-16S-4S with Adapter AN-3055-16-4 and Clamp AN-3057-4, or equal.

1 Cable including three wires #16AWG stranded per specification JAN-C-76, each consisting of 16 strands 0.0126 inch diameter or 19 strands 0.0117 inch diameter tinned copper wire; 0.016 inch nominal wall of black extruded thermoplastic insulation, colored lacquered rayon braid; jacketed in black flexible extruded plastic tubing; 600 volts rms working voltage; two wires connect from the plug to the first socket and one wire connects from the second socket to the first socket.

Cable Length: 3 feet 0 inches.

Outside Diameter: 0.121 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; USAF Contract W-33-038-ac-16195; G.E. drawing M-7405253.

STOCK NOS: (USAF) 7CAC-170264-56, (SigC) 3E5999-47.	
PROCUREM'T INFO: USAF Exhibit WLENG-108A.	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CX-1402/U

WIRING ASSEMBLY CX-1403/U

(LEAD, ELECTRICAL CX-1403/U)

FUNCTIONAL DESCRIPTION:

Used as a shorting jumper for interconnecting cables.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-6B. Superseded by Plug Connector Dummy MX-1241/U (2-1/4" x 2" x 2").

ELECTROMECHANICAL DESCRIPTION:

Parts:

2 Amphenol Plugs AN-3100-28-2P with caps, or equal.

2 Solid bare wires #16AWG, tinned soft copper, tough pitch, 600 volts rms working voltage; jumpers across from pin E to pin F and from pin L to pin M of the connectors.

Cable Length: To be specified.

Outside Diameter: 0.121 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; USAF Contract W-33-038-ac-16195; G.E. drawing ML-7005784-G1.

STOCK NOS:	
PROCUREM'T INFO: USAF Exhibit WLENG-108A.	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CX-1403/U

WIRING ASSEMBLY CX-1404/U

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-1404/U)

FUNCTIONAL DESCRIPTION:

Connects power to a trigger amplifier for test purposes.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-6B.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Amphenol Socket AN-3106-14S-5S with Adapter AN-3055-14-4 and Clamp AN-3057-4, or equal.

1 Amphenol Plug AN-3106-16-10P with Adapter AN-3055-16-4 and Clamp AN-3057-4, or equal.

1 Cable including two wires #16AWG stranded per specification JAN-C-76, each consisting of 16 strands 0.0126 inch diameter or 19 strands 0.0117 inch diameter tinned copper wire; 0.016 inch nominal wall of black extruded thermoplastic insulation, colored lacquered rayon braid; jacketed in black flexible extruded plastic tubing; 600 volts rms working voltage; 8 amperes maximum current.

Cable Length: 3 feet 2 inches.

Outside Diameter: 0.121 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; USAF Contract W-33-038-ac-16195; G.E. drawing K-7005675.

STOCK NOS: (USAF) 7CAC-170264-57, (SigC) 3E5999-48.
PROCUREM'T INFO: USAF Exhibit WLENG-108A.
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-1404/U

WIRING ASSEMBLY CX-1405/U

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-1405/U)

FUNCTIONAL DESCRIPTION:

Connects power to the units of an MTI control cabinet for test purposes.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-6B.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Amphenol Plug AN-3106-28-2P with Adapter AN-3055-28-10 and Clamp AN-3057-20, or equal.

1 Amphenol Socket AN-3106-28-2S with Adapter AN-3055-28-10 and Clamp AN-3057-20, or equal.

1 Cable including six wires #16AWG stranded per specification JAN-C-76, each consisting of 16 strands 0.0126 inch diameter or 19 strands 0.0117 inch diameter tinned copper wire; 0.016 inch nominal wall of black extruded thermoplastic insulation, colored lacquered rayon braid; jacketed in black flexible extruded plastic tubing; 600 volts rms working voltage; 8 amperes maximum current.

Cable Length: 3 feet 2 inches.

Outside Diameter: 0.121 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; USAF Contract W-33-038-ac-16195; G.E. drawing K-7005676.

STOCK NOS: (USAF) 7CAC-170264-63 (SigC) 3E5999-49.	
PROCUREM'T INFO: USAF Exhibit WLENG-108A.	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CX-1405/U

WIRING ASSEMBLY CX-1406/U

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-1406/U)

FUNCTIONAL DESCRIPTION:

Connects power to units requiring it from MTI power supply for test purposes.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-6B.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Amphenol Socket AN-3106-22-33S with Adapter AN-3055-22-8 and Clamp AN-3057-8, or equal.

1 Amphenol Plug AN-3106-16-10P with Adapter AN-3055-16-4 and Clamp AN-3057-4, or equal.

1 Cable including three wires #16AWG stranded per specification JAN-C-76, each consisting of 16 strands 0.0126 inch diameter or 19 strands 0.0117 inch diameter tinned copper wire; 0.016 inch nominal wall of black extruded thermoplastic insulation, colored lacquered rayon braid; jacketed in black flexible extruded plastic tubing; 600 volts rms working voltage; 8 amperes maximum current.

Cable Length: 3 feet 0 inches.

Outside Diameter: 0.121 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; USAF Contract W-33-038-ac-16195; G.E. drawing K-7005669.

STOCK NOS: (USAF) 7CAC-170264-59, (SigC) 3E6000-1406.1.	
PROCUREM'T INFO: USAF Exhibit WLENG-108A.	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CX-1406/U

WIRING ASSEMBLY CX-1407/U

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-1407/U)

FUNCTIONAL DESCRIPTION:

Connects power from the utility power supply to the utility voltage regulator of a radar set.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-6B.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Amphenol Socket AN-3106-22-33S with Adapter AN-3055-22-8 and Clamp AN-3057-8, or equal.

1 Amphenol Plug AN-3106-32-12P with Adapter AN-3055-32-12 and Clamp AN-3057-12, or equal.

1 Cable including five wires #16AWG stranded per specification JAN-C-76, (otherwise same as #16 wires in CX-1406/U).

Cable Length: 6 feet 4-1/2 inches.

Outside Diameter: 0.125 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; USAF Contract W-33-038-ac-16195; G.E. drawing K-7005665.

STOCK NOS: (USAF) 7CAC-170264-725, (SigC) 3E10000-2-92.
PROCUREM'T INFO: USAF Exhibit WLENG-108A.
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-1407/U

WIRING ASSEMBLY CX-1408/U

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-1408/U)

FUNCTIONAL DESCRIPTION:

Connects power from the MTI Voltage Regulator to the MTI Regulator.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-6B.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Amphenol Socket AN-3106-28-2S with Adapter AN-3055-28-10 and Clamp AN-3057-10, or equal.

1 Amphenol Plug AN-3106-28-2P with Adapter AN-3055-28-10 and Clamp AN-3057-10, or equal.

1 Cable including fourteen wires #16AWG stranded per specification JAN-C-76, (otherwise same as 16 wires in CX-1406/U).

Cable Length: 3 feet 2 inches.

Outside Diameter: 0.332 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; USAF Contract W-33-038-ac-16195; G.E. drawing K-7005668.

STOCK NOS: (USAF) 7 CAC-170264-69, (SigC) 3E5999-51.
PROCUREM'T INFO: USAF Exhibit WLENG-108A.
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-1408/U

WIRING ASSEMBLY CX-1409/U

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-1409/U)

FUNCTIONAL DESCRIPTION:

Connects a cable jack box to a utility rectifier power supply.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-6B.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Amphenol Plug AN-3106-28-2P with Adapter AN-3055-28-10 and Clamp AN-3057-10, or equal.

1 Amphenol Socket AN-3106-28-2S with Adapter AN-3055-28-10 and Clamp AN-3057-10 or equal.

1 Cable including nine wires #16AWG stranded per specification JAN-C-76, (otherwise same as #16 wires in CX-1401/U).

Cable Length: 6 feet 0 inches.

Outside Diameter: 0.242 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; USAF Contract W-33-038-ac-16195; G.E. drawing K-7005667.

STOCK NOS: (USAF) 7CAC-170264-675, (SigC) 3E6000-1409.1.
PROCUREM'T INFO: USAF Exhibit WLENG-108A.
COGNIZANCE: USAF, Rome. FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-1409/U

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WIRING ASSEMBLY CX-1410/U

(LEAD, ELECTRICAL CX-1410/U)

FUNCTIONAL DESCRIPTION:

Used as a shorting jumper for the interlock on the MTI power supply.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-6B. Superseded by Plug Connector Dummy MX-1242/U (2" x 1-3/16" diameter).

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Amphenol Plug AN-3106-16-10P with cap, or equal.

1 Bare Solid Wire #16AWG, tinned soft copper, tough pitch, 600 volts rms working voltage, jumpers across from pin A to pin B of the connectors.

Cable Length: To be specified.

Outside Diameter: 0.062 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; USAF Contract W-33-038-ac-16195; G.E. drawing K-7005666.

STOCK NOS:	
PROCUREM'T INFO: USAF Exhibit WLENG-108A.	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CX-1410/U

WIRING ASSEMBLY CX-1411/U

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-1411/U)

FUNCTIONAL DESCRIPTION:

Connects power to a MTI Synchronizer for test purposes.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-6B.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Amphenol Socket AN-3106-22-33S with Adapter AN-3055-22-8 and Clamp AN-3057-8, or equal.

2 Aircraft Marine Products Terminals #30991, or equal.

1 Cable including two wires #16AWG stranded per specification JAN-C-76, (otherwise same as #16 wires in CX-1406/U).

Cable Length: 3 feet 2 inches.

Outside Diameter: 0.121 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; USAF Contract W-33-038-ac-16195; G.E. drawing K-7005694.

STOCK NOS: (USAF) 7CAC-170264-575, (SigC) 3E5999-52.
PROCUREM'T INFO: USAF Exhibit WLENG-108A.
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-1411/U

WIRING ASSEMBLY CX-1412/U

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-1412/U)

FUNCTIONAL DESCRIPTION:

Connects from a maintenance junction box on a test bench to a magnetron filament power supply to connect power to it.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-6B.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Amphenol Socket AN-3106-28-2S with Adapter AN-3055-28-10 and Clamp AN-3057-10, or equal.

1 Amphenol Plug AN-3106-16-10P with Adapter AN-3055-16-4 and Clamp AN-3057-4, or equal.

1 Cable including two wires #16AWG stranded per specification JAN-C-76, (otherwise same as #16 wires in CX-1406/U).

Cable Length: 3 feet 0 inches.

Outside Diameter: 0.121 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; USAF Contract W-33-038-ac-16195; G.E. drawing K-7005661.

STOCK NOS: (USAF) 7CAC-170264-535, (SigC) 3E5999-53.	
PROCUREM'T INFO: USAF Exhibit WLENG-108A.	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CX-1412/U

WIRING ASSEMBLY CX-1413/U

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-1413/U)

FUNCTIONAL DESCRIPTION:

Connects from a special AC power box to keep alive the power supply and the MTI rectifier power supply to connect power to them.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-6B.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Amphenol Plug AN-3106-16-10P with Adapter AN-3055-16-4 and Clamp AN-3057-4, or equal.

1 Amphenol Socket AN-3106-16-10S with Adapter AN-3055-16-4 and Clamp AN-3057-4, or equal.

1 Cable including three wires #16AWG stranded per specification JAN-C-76, (otherwise same as #16 wires in CX-1406/U).

Cable Length: 3 feet 0 inches.

Outside Diameter: 0.125 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company Schenectady, New York; USAF Contract W-33-038-ac-16195; G.E. drawing K-7005663.

STOCK NOS: (USAF) 7CAC-170264-58, (SigC) 3E5999-55.	
PROCUREM'T INFO: USAF Exhibit WLENG-108A.	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CX-1413/U

WIRING ASSEMBLY CX-1414/U

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-1414/U)

FUNCTIONAL DESCRIPTION:
Connects power to a receiver voltage regulator for test purposes.

RELATIONSHIP TO OTHER EQUIPMENT:
Used in testing AN/CPS-6B.

ELECTROMECHANICAL DESCRIPTION:
Parts:
- 1 Amphenol Plug AN-3106-32-12P with Adapter AN-3055-32-12 and Clamp AN-3057-12, or equal.
- 1 Amphenol Socket AN-3106-32-12S with Adapter AN-3055-32-12 and Clamp AN-3057-12, or equal.
- 1 Cable including twelve wires #16AWG stranded per specification JAN-C-76, (otherwise same as #16 wires in CX-1406/U).

Cable Length: 6 feet 2 inches.
Outside Diameter: 0.332 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:
General Electric Company, Schenectady, New York; USAF Contract W-33-038-ac-16195; G.E. drawing K-7005664.

STOCK NOS: (USAF) 7CAC-170264-685, (SigC) 3E5999-55.
PROCUREM'T INFO: USAF Exhibit WLENG-108A.
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-1414/U

WIRING ASSEMBLY CX-1415/U

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-1415/U)

FUNCTIONAL DESCRIPTION:

Connects from a magnetron filament power supply to the magnetron to supply power to it for test purposes.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-6B.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Amphenol Plug AN-3106-22-23P with Adapter AN-3055-22-8 and Clamp AN-3057-8, or equal.

1 General Radio Twin Banana Plug #274M, or equal.

1 Cable including two wires #14AWG stranded per specification JAN-C-76, each consisting of 26 strands 0.0126 inch diameter tinned copper wire, 0.018 inch nominal wall of black extruded thermoplastic insulation, colored lacquered rayon braid; jacketed in black flexible extruded plastic tubing; 600 volts rms working voltage; 15 amperes maximum current.

Cable Length: 3 feet 0 inches.

Outside Diameter: 0.125 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; USAF Contract W-33-038-ac-16195; G.E. drawing K-7005662.

STOCK NOS: (USAF) 7CAC-170264-53, (SigC) 3E5999-56.
PROCUREM'T INFO: USAF Exhibit WLENG-108A.
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11 3.1
- Electronics Test Equipment - CX-1415/U

WIRING ASSEMBLY CX-1416/U

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-1416/U)

FUNCTIONAL DESCRIPTION:

A test cable supplying power from the maintenance bench and necessary standby units to the beacon receiver, receiver local control unit, preamplifier, normal receiver, MTI receiver, and 2 kilovolt and 7 kilovolt power supplies.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-6B.

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Amphenol Socket AN-3106-22-33S with Adapter AN-3055-22-8 and Clamp AN-3057-8, or equal.

1 Amphenol Plug AN-3106-22-33P with Adapter AN-3055-22-8 and Clamp AN-3057-8, or equal.

1 Cable including seven wires #16 AWG stranded per specification JAN-C-76, each consisting of 16 strands 0.0126 inch diameter or 19 strands 0.0117 inch diameter tinned copper wire; 0.016 inch nominal wall of black extruded thermoplastic insulation, colored lacquered rayon braid; jacketed in black flexible extruded plastic tubing; 600 volts rms working voltage; 8 amperes maximum current.

Cable Length: 3 feet 0 inches.

Outside Diameter: 0.121 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; USAF Contract W-33-038-ac-16195; G.E. drawing K-7005674.

STOCK NOS: (USAF) 7CAC-170264-645, (SigC) 3E5999-57.
PROCUREM'T INFO: USAF Exhibit WLENG-108A.
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-1416/U

WIRING ASSEMBLY CX-1420/U

(CABLE ASSEMBLY, POWER, ELECTRICAL CX-1420/U)

FUNCTIONAL DESCRIPTION:
Connects AC power to the test harness.

RELATIONSHIP TO OTHER EQUIPMENT:
Used in testing AN/CPS-6B.

ELECTROMECHANICAL DESCRIPTION:
Parts:

1 Amphenol Socket AN-3101A-16-10S with Clamp AN-3057-8, or equal.
3 Zierich Terminals #8, or equal.
1 Cable including three wires #14 AWG stranded per specification JAN-C-76, each consisting of 26 strands 0.0126 inch diameter tinned copper wire, 0.018 inch nominal wall of black extruded thermoplastic insulation, colored lacquered rayon braid; jacketed in black flexible extruded plastic tubing; 600 volts rms working voltage.

Cable Length: 2 feet 2 inches.
Outside Diameter: 0.560 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:
General Electric Company, Schenectady, New York; USAF Contract W-33-038-ac-16195; G.E. drawing ML-7005894G1.

STOCK NOS: (USAF) 7CAC-170264-585, (SigC) 3E5999-58.
PROCUREM'T INFO: USAF Exhibit WLENG-108A.
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment - CX-1420/U

WIRING ASSEMBLY CX-1421/U

(CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL CX-1421/U)

FUNCTIONAL DESCRIPTION:

Used as a jumper between jack boxes for test purposes.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/CPS-6B.

ELECTROMECHANICAL DESCRIPTION:

Parts:

2 American Hardware Plugs #141, or equal.

1 Cable including one wire #20AWG stranded per specification JAN-C-76, consisting of 7 strands 0.0126 inch diameter tinned copper wire, 0.010 inch nominal wall of black extruded thermoplastic insulation, colored lacquered rayon braid; jacketed in black flexible extruded plastic tubing; 600 volts rms working voltage.

Cable Length: 9-3/4 inches.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; USAF Contract W-33-038-ac-16195; G.E. drawing ML-7005677G1.

STOCK NOS: (USAF) 7CAC-170270-13, (SigC) 3E5999-59.	
PROCUREM'T INFO: USAF Exhibit WLENG-108A.	
COGNIZANCE: USAF, Rome	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CX-1421/U

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CABLE CX-1801/U

FUNCTIONAL DESCRIPTION:

An electrical power cable assembly used to connect a VHF power supply such as PP-699/GRC-30 to receiver-transmitter sets under test such as RT-226/GRC-30.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Plug, Type AN3108B-32-13P.
1 Plug, Type AN3106A-32-13S.
1 Cable, containing 24 conductors (9 in pairs, 6 individual).

Length: 6 feet 0 inch.
Outside Diameter: 0.405 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Lavoie Laboratories, Matawan-Freehold Road, Morganville, New Jersey; USAF Contract No. AF 33(038)9875; Dwg. No. 1395-3897; Spec. No. 1375898.

STOCK NOS:	
PROCUREM'T INFO: (USAF) Exhibit WLENG-2116-B	
COGNIZANCE:	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CX-1801/U

project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CABLE CX-1806/U

FUNCTIONAL DESCRIPTION:

An electrical power cable assembly used to connect a power supply to radio set components for test purposes.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 Plug type AN-3108B-32-13P.
1 Plug type AN-3106A-32-13S.
1 Cable, containing 24 conductors (9 pairs and 6 individual).

Length: 6 feet 0 inch.
Outside Diameter: 0.405 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Lavoie Laboratories, Matawan-Freehold Road, Morganville, New Jersey; USAF Contract No. AF 33(038)9875; Dwg. No. 1375898.

STOCK NOS:	
PROCUREM'T INFO: USAF Exhibit WLENG-2116-B	
COGNIZANCE:	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CX-1806/U

project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

TEST CABLE CX-1946/U

FUNCTIONAL DESCRIPTION:

A test cable assembly used to connect a power supply and a radio receiver for power and control circuits needed during testing.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Parts:

2 Plugs, connector type AN-3108B-22-345.

1 Cable, special purpose, containing 7 individual conductors.

Length: 4 feet 0 inch.

Outside Diameter: 0.285 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Lavoie Laboratories, Matawan-Freehold Road, Morganville, New Jersey; USAF Contract No. AF 33(038)9875; Lavoie Dwg. No. 1375-3893.

STOCK NOS:	
PROCUREM'T INFO: USAF Exhibit WLENG-2116-B	
COGNIZANCE:	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CX-1946/U

project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CORD CX-2134/U

FUNCTIONAL DESCRIPTION:

A general purpose ground lead used to connect two test points of a radar set or a mapping group.

RELATIONSHIP TO OTHER EQUIPMENT:

Similar to CX-2134A/U except for color.

ELECTROMECHANICAL DESCRIPTION:

Parts:

2 Cord Tips, insulated, ICA type 885B.
2 Alligator Clips, ICA type 525.
1 Cable, soft copper, stranded, No. 16 AWG, with black rubber insulated cotton cover; 1000 volts working voltage, moisture and oil resistant.

Length: 6 feet 0 inch.
Outside Diameter: 0.325 inch.

MANUFACTURERS' OR CONTRACTORS' DATA:

Insuline Corporation of America, 36-02 35th Avenue, Long Island City, New York.

STOCK NOS: (USAF) 7CAC-468919-799	
PROCUREM'T INFO: USAF Dwg. 52B55078	
COGNIZANCE:	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CX-2134/U

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CORD CX-2134A/U

FUNCTIONAL DESCRIPTION:

A general purpose test lead used to connect two test points of a radar set or a mapping group.

RELATIONSHIP TO OTHER EQUIPMENT:

Similar to CX-2134/U except for color.

ELECTROMECHANICAL DESCRIPTION:

Parts:

2 Cord Tips, insulated, ICA Type 885R.
2 Alligator Clips, ICA Type 525.
1 Cable, soft copper, stranded, No. 16 AWG, with red rubber insulated cotton cover; 1000 volts working voltage, moisture and oil resistant.

Length: 6 feet 0 inch.
Outside Diameter: 0.332 inch.

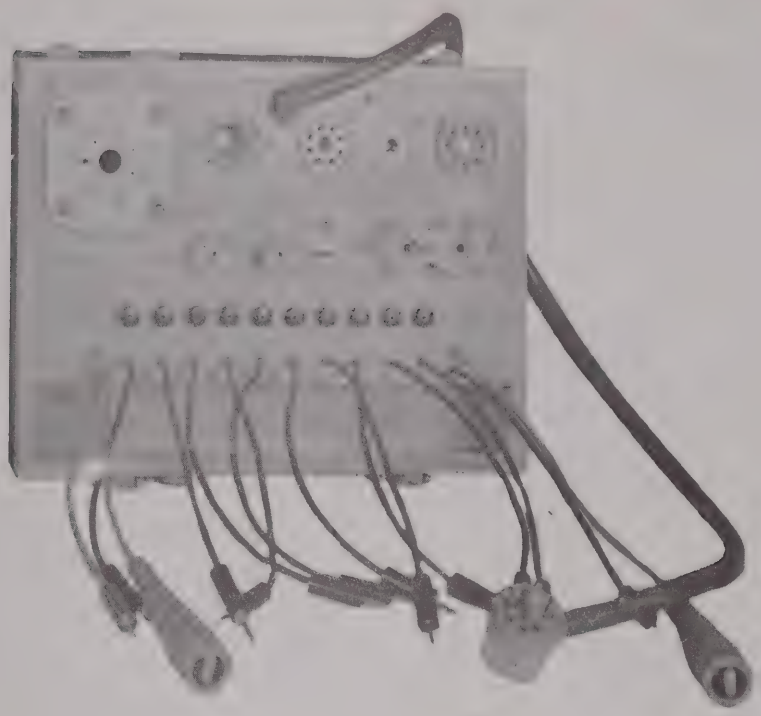
MANUFACTURERS' OR CONTRACTORS' DATA:

Insuline Corporation of America, 36-02 35th Avenue, Long Island City, New York.

STOCK NOS: (USAF) 7CAC-468790	
PROCUREM'T INFO: USAF Dwg. No. 52B55078	
COGNIZANCE:	FUNCTIONAL CLASS. NO.: 11.3.1
- Electronics Test Equipment -	CX-2134A/U

project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

TUBE SOCKET ADAPTER KIT MX-949A/U
(ADAPTER, TUBE SOCKET MX-949A/U)



FUNCTIONAL DESCRIPTION:

A portable kit used to adapt tube testers such as I-177 so they can accomodate additional types of tubes. Mounted on the chassis are nine tube sockets, two pin dies for straightening tube pins, twelve patch cords and receptacles, two cap leads, and a short length of power cord with a connector for plugging into Tube Tester I-177 or other similar tube testers.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

The following tube sockets are provided: Large 7 pin, acorn, octal, lock-in, subminiature (long leads), sub-miniature (short leads, round), sub-miniature (short leads, flat), miniature 7 pin, and miniature button 9 pin.

MANUFACTURERS' OR CONTRACTORS' DATA:

Munston Manufacturing and Service, Inc., 43 Vesey Street, New York, New York.

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.	Standard		
STOCK NOS.			
PROCUREM'T INFO.:	Army Dwg. SC-B-21747, SC-D-45136		
PROCUREM'T COG.:	Army	DESIGN COG.: Army, ESL	
T.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.3.2	
	- Electronics Test Equipment -		MX-949A/U

project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

TUBE SOCKET ADAPTER KIT MX-949A/U
(ADAPTER, TUBE SOCKET MX-949A/U)

MANUFACTURERS' OR CONTRACTORS' DATA: (Continued)
Order No. 3011-PHILA-52-04, and 3029-PH-51-04.

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:
TB 11-2627-2 (TO16-401177-6) (Tube Test Data Cards).
TB 11-2627-3 (TO16-35MX949-5) (Instruction Book).

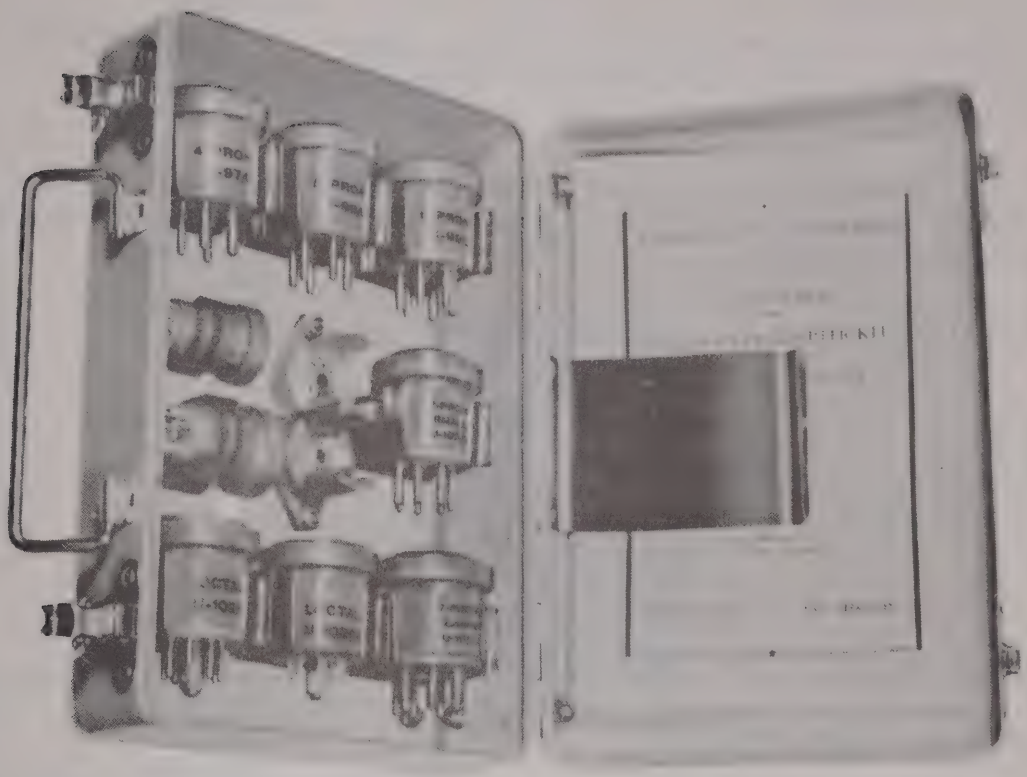
EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Over-all Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Tube Socket Adapter Kit MX-949A/U	Steel		8-3/4	10-3/4	4-1/8	7.5

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Over-all Dimensions (inches)			Weigh Packe (Lbs.
			H	W	D	

TUBE SOCKET ADAPTER KIT MX-1258/U



UNCTIONAL DESCRIPTION:

A portable, general purpose kit, used for taking voltage and resistance readings om the top or tube side of the chassis in a receiver or transmitter under test. he kit consists of nine socket adapters, one for each standard tube base. Brass st tabs on the skirt of the adapter are used for connection of tube elements to volt- ge or resistance measuring devices used in testing the tubes. This kit is used by l maintenance echelons.

ELATIONSHIP TO OTHER EQUIPMENT:

LECTROMECHANICAL DESCRIPTION:

ircuit Information: Circuitry consists of interconnections between tube socket adapters, socket clasps, plug pins and brass test tabs.

ower Supply: None.

tandard Tube Bases Accommodated: 4 pin, 5 pin, 6 pin, 7 pin (small), 7 pin (large), octal, loctal, 7 pin miniature, 9 pin miniature.

(Continued)

	AIR FORCE	NAVY	ARMY
YPE CLASS.	Standard		
TOCK NOS.	7CAC-461886		
ROCUREM'T INFO.:	Spec. MIL-T-16144 (SHIPS) dated 15 March 1951.		
ROCUREM'T COG.:	Navy	DESIGN COG.: Navy, BuShips	
.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.3.2	
	- Electronics Test Equipment -		MX-1258/U

project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A

TUBE SOCKET ADAPTER KIT MX-1258/U

ELECTROMECHANICAL DESCRIPTION: (Continued)

Insulation Rating Between Adjoining Test Tabs: Sufficient to withstand 2500 volts, DC, without indication on a 0 to 5 microampere meter.

Resistance Between Adjacent Test Tabs: In excess of 1000 megohms.

MANUFACTURERS' OR CONTRACTORS' DATA:

Vector Electronic Company, Los Angeles, California; Navy Contract NObsr-57246 dated February 1952.

TUBE COMPLEMENT:

None.

REFERENCE DATA AND LITERATURE:

NAVSHIPS 91798 (Instruction Book).

TO 16-35MX1258-5 (Instruction Book).

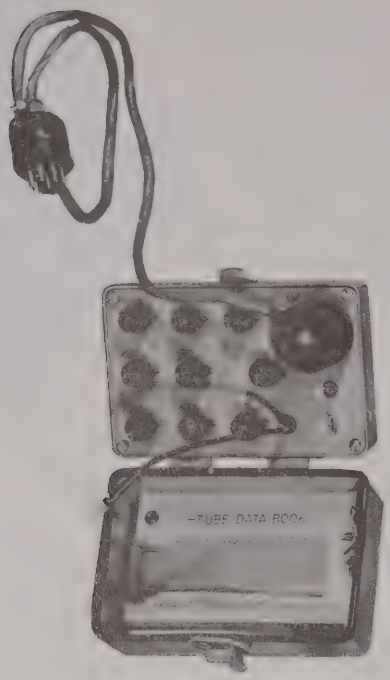
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Tube Socket Adapter Kit MX-1258/U	Aluminum	7CAC-461886	2-3/4	9	6	5

ADAPTER, TUBE SOCKET MX-1417/U



FUNCTIONAL DESCRIPTION:

A portable, general purpose adapter used to extend the life and utility of tube checkers by providing a method of adapting these checkers to subminiature tubes. The meter on the tube checker is used for the indication of quality level or mutual conductance.

RELATIONSHIP TO OTHER EQUIPMENT:

The adapter is used in conjunction with Hickok Tube Checker Models 540, 545, 547 and Army I-177.

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: The adapter is provided with tube sockets for testing 8 pin subminiature round, 7 pin miniature rectangular and octal tubes. The unit is supplied power from the tube checker by means of a cable which connects to the octal socket on the tube checker. The voltages are controlled by eight switches and a filament potentiometer mounted on the adapter.

Power Supply: None.

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.		Standard	
STOCK NOS.		(ASO)R16AN-MX1417/U	

PROCUREM'T INFO.:

PROCUREM'T COG.: Navy DESIGN COG.: Navy

F.L.I.N.: 6625-376-4926 FUNCTIONAL CLASS. NO.: 11.3.2

ADAPTER, TUBE SOCKET MX-1417/U

MANUFACTURERS' OR CONTRACTORS' DATA:

Radio City Products Company, Incorporated, Centre and Glendale Streets, Easton, Pennsylvania; Contract No. NOas-53-895.

TUBE COMPLEMENT:

None.

REFERENCE DATA AND LITERATURE:

NavAer 16-35 MX1417-501 (Instruction Sheet).

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Adapter, Tube Socket MX-1417/U						

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	
	Adapter, Tube Socket MX-1417/U					

ADAPTER, TUBE SOCKET MX-1434/AP

FUNCTIONAL DESCRIPTION:

An equipment specifically designed to provide a means of connecting the output of a signal generator to Radar Modulator MD-110/APT-16. This device adapts a seven pin miniature tube socket, in the modulator, so that it provides both a socket for the seven pin miniature tube and a receptacle for the output of the signal generator.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: The adapter consists of a tube socket adapter, an L-pad coupling circuit, and a BNC type UG-290/U Receptacle. The coupling circuit provides a matched impedance between the 50-ohm output impedance of the signal generator and the grid input of the amplifier stages of the modulator.

Power Supply: None.

Input Power: One watt, maximum.

MANUFACTURERS' OR CONTRACTORS' DATA:

Alcar Instruments, Inc.; 17 Industrial Avenue, Little Ferry, New Jersey; Contract Nos. AF 33(604)7801, AF (33-604)55-5465, AF (33-604)55-7177, AF (33-604) 55-11444; Approximate Cost per Unit, $50.00.

TUBE COMPLEMENT:

None.

REFERENCE DATA AND LITERATURE:

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	8850-047786		
PROCUREM'T INFO.: USAF Dwg. No. 52C12988A			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, WADC, ARL	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.3.2	
- Electronics Test Equipment -			MX-1434/AP

s project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A

ADAPTER, TUBE SOCKET MX-1434/AP

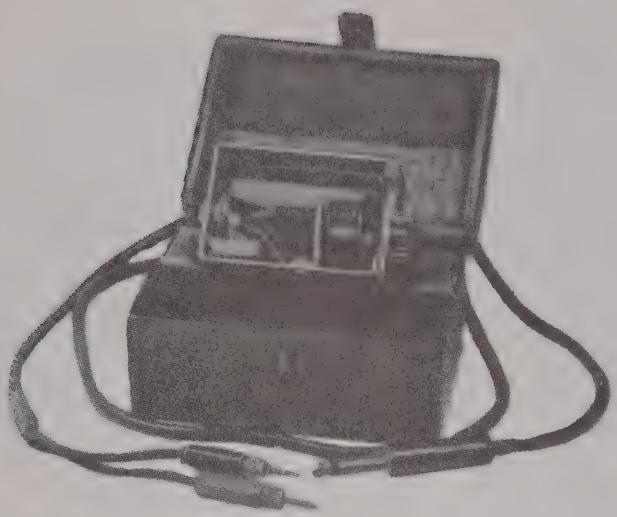
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Adapter, Tube Socket MX-1434/AP	Aluminum	8850-047786	1-3/4	1	1-1/4	0.2

DETECTOR TS-200/CPM-4
(DETECTOR, RADIO FREQUENCY, TS-200/CPM-4)



UNCTIONAL DESCRIPTION:

A portable, general purpose diode detector used for testing and aligning the intermediate-frequency stages of radio and radar sets. It is used in organizational, field, and depot testing.

ELATIONSHIP TO OTHER EQUIPMENT:

LECTROMECHANICAL DESCRIPTION:

rcuit Information: Consists of a 6H6 diode with attached output capacitor and resistor. It plugs into the second detector diode socket of the IF stage of the receiver. With addition of an output meter, it measures DC current output at the second detector.

wer Supply: Obtained from equipment under test.

mperature Range: -40° C. to +66° C. (operational).

	AIR FORCE	NAVY	ARMY
YPE CLASS.			
TOCK NOS.	7CGE-D14W488A-G1		3F4325-200
ROCUREM'T INFO.:	USAF Spec. MIL-D-4432, dated 8 May 1952		
ROCUREM'T COG.:	USAF	DESIGN COG.: USAF, Rome	
.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.3.2	
	- Electronics Test Equipment -		TS-200/CPM-4

roject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

DETECTOR TS-200/CPM-4
(DETECTOR, RADIO FREQUENCY, TS-200/CPM-4)

MANUFACTURERS' OR CONTRACTORS' DATA:
General Electric Company, Electronics Park, Syracuse, New York; Contrac No. W-3435-sc-264; Signal Corps Order No. 473-MPD-43; Approximate Cost pe Unit, $23.00, January 1952.

TUBE COMPLEMENT:
1 JAN-6H6.

REFERENCE DATA AND LITERATURE:
TO 16-55-199 (Spare Parts List).
TO 16-30CPSI-7 (Maintenance Instructions - Radio Set AN/CPS-1).

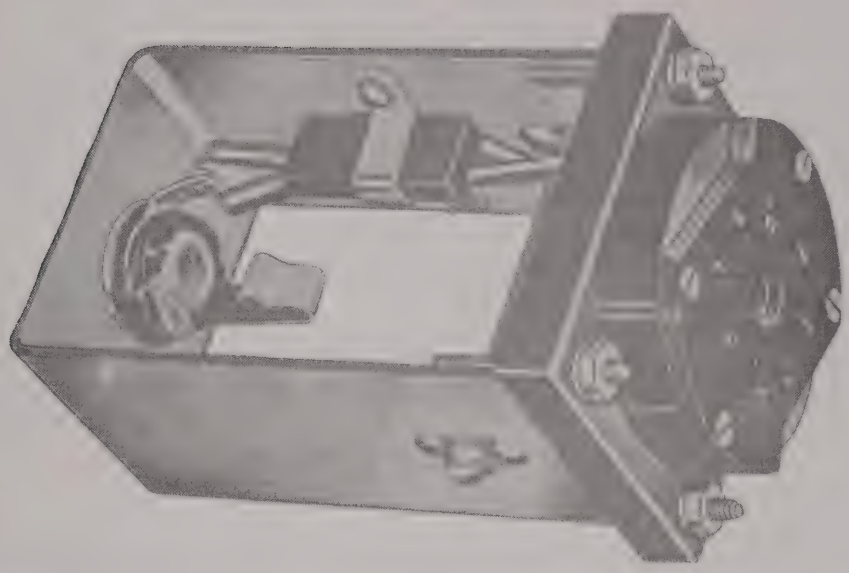
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weigh Packe (Lbs.
			H	W	D	
1	Detector TS-200/CPM-4 (Shelf Package - Water Resistant Carton)	0.07	4	6	5	3.5

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weigh (Lbs.
				H	W	D	
1	Detector TS-200/CPM-4		7CGE-D14W488A-G1 3F4325-200	1-5/16	3-3/4	2-5/16	1.75
1	Case	Metal		2-1/2	5-3/16	3-9/16	1.25
1	Cord CX-568/CPM-4			53 long			

ADAPTER TS-361A/U
(ADAPTER, TEST, TS-361A/U)



UNCTIONAL DESCRIPTION:

A portable, general purpose vacuum tube adapter, which provides a means of easuring second detector current in a radar receiver. It is used in field and depot sting. No indicator is provided, but a milliammeter must be used with this adapter.

ELATIONSHIP TO OTHER EQUIPMENT:

This adapter is interchangeable as a whole with Adapter TS-361/U, but has different parts.

LECTROMECHANICAL DESCRIPTION:

rcuit Information: This adapter consists of a removable 6H6 tube with a "U" bracket 1-1/4" wide x 1/16" thick, clamped to a phenolic tube socket adapter. A telephone jack is mounted in the center of the "U" bracket. A 1000 micromicrofarad capacitor is connected across the terminals of the jack. A 2000 ohm, 1/2 watt resistor is connected between one of the terminals of the jack and pin "5" of

(Continued)

	AIR FORCE	NAVY	ARMY
YPE CLASS.	Standard		
TOCK NOS.	7CMD-45D50195		3F4325-361A
ROCUREM'T INFO.:	USAF Spec. No. 40152A7b; Spec. No. MIL-H-5474, USAF Dwg. No. 45B50195		
ROCUREM'T COG.:	USAF	DESIGN COG.:	USAF, Rome
.I.I.N.:		FUNCTIONAL CLASS. NO.:	11.3.2
	- Electronics Test Equipment -		TS-361A/U

roject was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

ADAPTER TS-361A/U
(ADAPTER, TEST, TS-361A/U)

ELECTROMECHANICAL DESCRIPTION: (Continued)

the tube. The other terminal is connected to pin "1" of the tube. The adapte detects the 2nd detector current and provides a means for connecting an indicato to measure it.

Power Supply: Taken from equipment under test.

MANUFACTURERS' OR CONTRACTORS' DATA:

Munston Manufacturing and Service, Inc., New York, New York; Contract No AF 33(038)13139.

Coast Industries, Inc., New York, New York; Contract No. AF 33(038)26221 24 May 1951; Approximate Cost per Unit, $8.00.

Molded Insulation Company, Philadelphia, Pennsylvania; Contract No. AF 33(038) 3743; Approximate Cost per Unit, $6.00.

TUBE COMPLEMENT:

1 JAN-6H6.

REFERENCE DATA AND LITERATURE:

TO 16-35TS361-4 (Parts Catalogue).

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	
1	25 Adapters, TS-361A/U (Domestic Packed)	1.11	16	12	10	23

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Adapter TS-361A/U		7CMD-45D50195 3F4325-361A	3-5/8	2-1/2	1-3/8	0.8

ADAPTER U-51/U

(ADAPTER, TUBE SOCKET U-51/U)

FUNCTIONAL DESCRIPTION:

A general purpose tube socket adapter used to adapt loctal base tubes to octal sockets.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Temperature: Moderate.
Weatherproof: No.
Pressurized: No.
Shape: Cylindrical.
Material: Molded black bakelite.
Contacts: One male end and one female end; eight round contacts each end.
Type: Straight.
Dimensions: 1-1/4" x 1-1/4".
Weight: 0.085 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York. Order No. 1614-MPD-45.

STOCK NOS: (USAF) 8850-043330, (Army) 2Z302-51.
PROCUREM'T INFO: USAF Dwg. 45-B-50293.
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS NO.: 11.3.2
- Electronics Test Equipment - U-51/U

CRYSTAL SOCKET ADAPTER UG-683/U
(ADAPTER, CRYSTAL SOCKET UG-683/U)

FUNCTIONAL DESCRIPTION:

Couples Crystal Holder HC-10/U to Crystal Socket Hugh H. Eby Part 8879 or 9006.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing Radio Set AN/URC-4.

ELECTROMECHANICAL DESCRIPTION:

Temperature: Moderate.
Weatherproof: No.
Pressurized: No.
Shape: Rectangular.
Material: Ceramic with silver-plated brass terminal pins.
Contacts: One end contains two terminal pins on a base which fit into a socket Hugh H. Eby Part 8879 or 9006; the pins are 0.05" diameter and spaced 0.486" apart. The other end contains terminal snap-in clips for holding Crystal Holder HC-10/U.
Type: Straight.
Dimensions: 1-1/2" x 1-1/4" x 5/16".
Weight: 0.1 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

Hugh H. Eby, Inc., Philadelphia 44, Pennsylvania.

STOCK NOS:
PROCUREM'T INFO: Dwg. X51B13819 (USAF).
COGNIZANCE: USAF, C&N FUNCTIONAL CLASS NO.: 11.3.2
- Electronics Test Equipment - UG-683/U

TUBE SOCKET ADAPTER KIT
T-789
(Vector Electronic Company)

FUNCTIONAL DESCRIPTION:

A portable general purpose kit used for making voltage, resistance, and waveform measurements from the tube side of electronic equipment under test. The kit consists of 3 tube sockets: a 7-pin miniature, an 8-pin octal, and a 9-pin noval. A 30-inch test lead is also included.

RELATIONSHIP TO OTHER EQUIPMENT:

Similar to T-789-S except that T-789-S has a shielded pin extension.

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: Each adapter has straight through plug to socket connections which extend to radial test tabs on the adapter skirt surrounding the socket. The socket contacts are beryllium copper and the castings are molded of phenolic material.

Power Supply: None.

Flash over voltage between adjacent terminals: Greater than 1500 volts, DC.

Capacity between leads: Approximately 1 micromicrofarad.

MANUFACTURERS' OR CONTRACTORS' DATA:

Vector Electronic Company, 3352 San Fernando Road, Los Angeles, California; Contract No. AF 33(600)27013; Approximate Cost per Unit, $19.00.

TUBE COMPLEMENT:

None.

REFERENCE DATA AND LITERATURE:

Vector Electronic Catalog #54.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.			
PROCUREM'T INFO.:			
PROCUREM'T COG.:		DESIGN COG.: Commercial	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.3.2	
- Electronics Test Equipment -			Vector T-789

is project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

TUBE SOCKET ADAPTER KIT
T-789
(Vector Electronic Company)

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	
1	Tube Socket Adapter Kit (Vector T-789)					0.43

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Tube Socket Adapter Kit (Vector T-789)	Plas-tic		1-3/4	4	2-3/4	
1	7-Pin Min T-7M			1.47	0.74		
1	8-Pin Octal T-8-0			1.50	1.26		
1	9-Pin Noval			1.47	0.87		
1	Plug-In Probe P-7			30			

KIT, TUBE ADAPTER, PIN EXTENSION
T-789-S
(Vector Electronic Company)

FUNCTIONAL DESCRIPTION:

A portable general purpose kit, used for making voltage, resistance, and waveform measurements from the tube side of electronic equipment under test. The kit consists of 3 tube sockets: a 7-pin miniature, an 8-pin octal, and a 9-pin noval. A thirty-inch test lead is also included. The leads between the plug and socket are individually shielded.

RELATIONSHIP TO OTHER EQUIPMENT:

Similar to T-789 except that T-789-S has a shielded pin extension.

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: Each adapter has straight through plug to socket connections which extend to radial test tabs on the adapter skirt surrounding the socket. The socket contacts are beryllium copper and the castings are molded of phenolic material. Flash over voltage between adjacent terminals: Greater than 1500

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.			
PROCUREM'T INFO.:			
PROCUREM'T COG.:	DESIGN COG.: Commercial		
F.I.I.N.:	FUNCTIONAL CLASS. NO.: 11.3.2		
- Electronics Test Equipment -			Vector T-789-S

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

KIT, TUBE ADAPTER, PIN EXTENSION
T-789-S
(Vector Electronic Company)

ELECTROMECHANICAL DESCRIPTION: (Continued)
volts, DC.
Capacity to shield: Approximately 8 micromicrofarads per lead.

MANUFACTURERS' OR CONTRACTORS' DATA:
Vector Electronic Company, 3352 San Fernando Road, Los Angeles, California; Contract No. AF 33(600)27013; Approximate Cost per Unit, $44.00.

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:
Vector Electronic Catalog #54.

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	
1	Kit, Tube Adapter, Pin Extension (Vector T-789-S)	0.05	2-1/2	6-1/4	5-1/2	0.75

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Kit, Tube Adapter Pin Extension (Vector T-789 -S)	Plas-tic		2-1/4	6	5-1/4	
1	7-Pin Min T-7-M-S			3.25	0.74 dia.		
1	8-Pin Octal T-8-O-S			4.00	1.26 dia.		

(Continued)

KIT, TUBE ADAPTER, PIN EXTENSION
T-789-S
(Vector Electronic Company)

EQUIPMENT SUPPLIED: (Continued)

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches) H	W	D	Weight (Lbs.)
1	9-Pin Noval T-9-N-S			3.25	0.87 Dia.		
1	Plug-in Probe P-1			30			

OUTLET BOX J-45/MPN-1

FUNCTIONAL DESCRIPTION:

A portable, general purpose unit used as a distribution point for 117 volt, 60 cycle, polarized AC power for radio component testing.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Parts:

1 box, plywood.
4 polarized outlets, Hubbel Part No. 9595.
1 polarized plug cap, Hubbel Part No. 9938.
1 cord, No. 12 AWG, stranded SBRC type Stirex, 15 feet long.

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	1800-697614250		6Z7390-45
PROCUREM'T INFO.:			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, Rome	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.3.3	
- Electronics Test Equipment -			J-45/MPN-1

is project was supported by the USAF on Contract AF [illegible] and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

OUTLET BOX J-45/MPN-1

MANUFACTURERS' OR CONTRACTORS' DATA:
Gilfillan Brothers, 1815 Venus Boulevard, Los Angeles 15, California; USAF Contract Nos. W-3435-sc-109 and W-3435-sc-438.

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:
TO 16-55-360 (Spare Parts List).

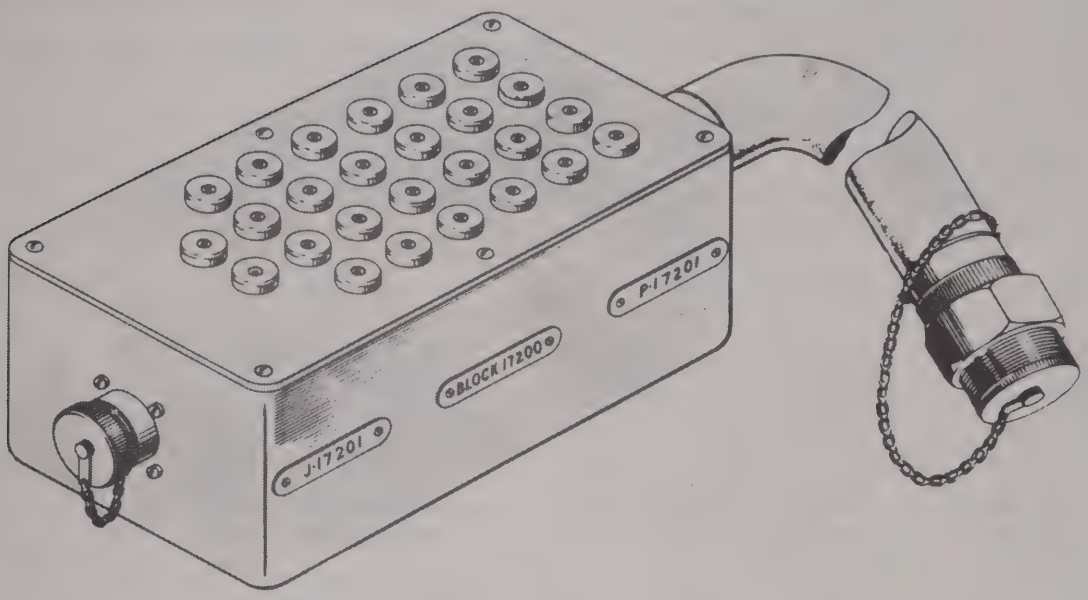
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Outlet Box J-45/MPN-1	Ply-wood	1800-697614250 6Z7390-45	4	4	2-3/8	2

JACK BOX J-307/CPS-6B through J-314/CPS-6B
J-316/CPS-6B through J-325/CPS-6B



FUNCTIONAL DESCRIPTION:

Cable jack boxes which are portable, special purpose test boxes providing access to each conductor of a cable for voltage measurements. These 18-cable jack boxes are all the same size and differ in construction only insofar as the number of tip jacks used for point to point measurement are concerned, and as to the type of plug and receptacle mounted on each end. A length of cable attached to each cable jack box permits access to recessed cable connections. These jack boxes are used in organizational, field, and depot maintenance of the transmitter-receiver system of a ground-based radar set. Components under test must be disconnected from the system and the appropriate jack box inserted in series.

RELATIONSHIP TO OTHER EQUIPMENT:

These jack boxes are used in testing Radar Set AN/CPS-6B.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	7CAC-002910-3 series (See Equipment Supplied)		2C2210-307 series (See Equipment Supplied)
PROCUREM'T INFO.:			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, Rome	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.3.3	
			J-307/CPS-6B thru J-314/ CPS-6B, J-316/CPS-6B
		- Electronics Test Equipment -	thru J-325/CPS-6B

Project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

JACK BOX J-307/CPS-6B through J-314/CPS-6B
J-316/CPS-6B through J-325/CPS-6B

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: The cable jack box is connected in series with the circuit to be checked. Internal connections route each conductor of the cable under consideration to an individual tip jack one of which is mounted on top of the jack box for each of the conductors in the cable. By this means, voltage point tests can be made for the circuit. There are jack boxes supplied to facilitate this type of testing for all circuits in the transmitter-receiver system requiring such tests.

Power Supply: None.

Frequency Range: Dependent on individual circuit requirements.

Table of Jack Box Characteristics:

JACK BOX	RECEPTACLE	PLUG	NUMBER OF PIN JACKS
J-307/CPS-6B	AN3102-14S-5S	AN3106-14S-5P	5
J-307/CPS-6B	AN3102-14S-5P	AN3106-14S-5S	5
J-309/CPS-6B	AN3102-22-19S	AN3106-22-19P	14
J-310/CPS-6B	AN3102-22-19P	AN3106-22-19S	14
J-311/CPS-6B	AN3102-22-20S	AN3106-22-20P	9
J-312/CPS-6B	AN3102-22-20P	AN3106-22-20S	9
J-313/CPS-6B	AN3102-22-23S	AN3106-22-23S	8
J-314/CPS-6B	AN3102-22-23P	AN3106-22-23S	8
J-316/CPS-6B	AN3102-22-33S	AN3106-22-33P	7
J-317/CPS-6B	AN3102-22-33P	AN3106-22-33S	7
J-318/CPS-6B	AN3102-28-2S	AN3106-28-2P	14
J-319/CPS-6B	AN3102-28-2P	AN3106-28-2S	14
J-320/CPS-6B	AN3102-28-12S	AN3106-28-12P	26
J-321/CPS-6B	AN3102-28-12P	AN3106-28-12S	26
J-322/CPS-6B	AN3102-28-16S	AN3106-28-16P	20
J-323/CPS-6B	AN3102-28-16P	AN3106-28-16S	20
J-324/CPS-6B	AN3102-32-12S	AN3106-32-12P	15
J-325/CPS-6B	AN3102-32-12P	AN3106-32-12S	15

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; USAF Contract No. W-33-038-ac-16195.

TUBE COMPLEMENT:

None.

REFERENCE DATA AND LITERATURE:

TO 16-30CPS6-6 (Operating Instructions for AN/CPS-6B).

TO 16-30CPS6-7 (Maintenance Instructions for Transmitter - Receiver System AN/CPS-6B).

JACK BOX J-307/CPS-6B through J-314/CPS-6B
J-316/CPS-6B through J-325/CPS-6B

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	
	Shipped with prime equipment					

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Jack Box J-307/CPS-6B	Textolite & Aluminum	7CAC-002910-35 2C2210-307	8-1/2	4-1/8	31	7
1	Jack Box J-308/CPS-6B	Same	7CAC-002910-353 2C2210-308	8-1/2	4-1/8	31	7
1	Jack Box J-309/CPS-6B	Same	7CAC-002910-357 2C2210-309	8-1/2	4-1/8	31	7
1	Jack Box J-310/CPS-6B	Same	7CAC-002910-36 2C2210-310	8-1/2	4-1/8	31	7
1	Jack Box J-311/CPS-6B	Same	7CAC-002910-347 2C2210-311	8-1/2	4-1/8	31	7
1	Jack Box J-312/CPS-6B	Same	7CAC-448495 2C2210-312	8-1/2	4-1/8	31	7
1	Jack Box J-313/CPS-6B	Same	7CAC-002910-34 2C2210-313	8-1/2	4-1/8	31	7

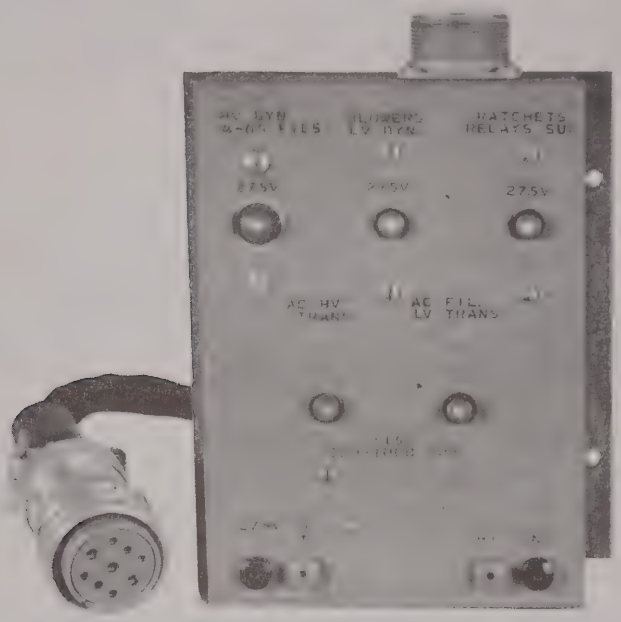
(Continued)

JACK BOX J-307/CPS-6B through J-314/CPS-6B
J-316/CPS-6B through J-325/CPS-6B

EQUIPMENT SUPPLIED: (Continued)

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Over-all Dimensions (inches) H	W	D	Weight (Lbs.)
1	Jack Box J-314/CPS-6B	Same	7CAC-002910-343 2C2210-314	8-1/2	4-1/8	31	7
1	Jack Box J-316/CPS-6B	Same	7CAC-002910-334 2C2210-316	8-1/2	4-1/8	31	7
1	Jack Box J-317/CPS-6B	Same	7CAC-002910-338 2C2210-317	8-1/2	4-1/8	31	7
1	Jack Box J-318/CPS-6B	Same	7CAC-002910-33 2C2210-318	8-1/2	4-1/8	31	7
1	Jack Box J-319/CPS-6B	Same	7CAC-002910-32 2C2210-319	8-1/2	4-1/8	31	7
1	Jack Box J-320/CPS-6B	Same	7CAC-002910-327 2C2210-320	8-1/2	4-1/8	31	7
1	Jack Box J-321/CPS-6B	Same	7CAC-002910-38 2C2210-321	8-1/2	4-1/8	31	7
1	Jack Box J-322/CPS-6B	Same	7CAC-002910-323 2C2210-322	8-1/2	4-1/8	31	7
1	Jack Box J-323/CPS-6B	Same	7CAC-002910-374 2C2210-323	8-1/2	4-1/8	31	7
1	Jack Box J-324/CPS-6B	Same	7CAC-002910-367 2C2210-324	8-1/2	4-1/8	31	7
1	Jack Box J-325/CPS-6B	Same	7CAC-002910-37 2C2210-325	8-1/2	4-1/8	31	7

INTERCONNECTING BOX J-520/U



FUNCTIONAL DESCRIPTION:

An all enclosed interconnecting box containing five circuit breakers and four pin jacks. This equipment provides a convenient means of supplying either AC or DC voltages, and insures circuit protection for Radio Sets AN/ARC-21 during bench testing. It can be mounted directly to a test bench or other support by four mounting holes.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Power Input: 27.5 volts, DC, or 115 volts, AC, 380 to 1000 cycles per second.
Power Output: 27.5 volts, DC, or 115 volts, AC, 380 to 1000 cycles per second.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	7CAC-446800		
PROCUREM'T INFO.:			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, WADC, C&N	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.33	
- Electronics Test Equipment -			J-520/U

is project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U.S.A.

INTERCONNECTING BOX J-520/U

MANUFACTURERS' OR CONTRACTORS' DATA:
Radio Corporation of America, Camden, New Jersey; USAF Contract No. AF 33(600)24390, dated 25 April 1953; RCA Dwg. No. A8862652.

TUBE COMPLEMENT:

REFERENCE DATA AND LITERATURE:

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Interconnecting Box J-520/U	Alumi-num	7CAC-446800	6	8	3-3/8	3

ADAPTER U-18/UP
(ADAPTER, CONNECTOR U-18/UP)

FUNCTIONAL DESCRIPTION:

Plugs into A or B receptacle on Data Panel PN-22-A or PN-22-B to connect the selsyn excitation jumper cable to the data panel when a radar set is operated without a gun director for test purposes. Mounts by insertion of male prongs.

RELATIONSHIP TO OTHER EQUIPMENT:

Used with RC-234. Used in testing AN/MPQ-2.

ELECTROMECHANICAL DESCRIPTION:

Frequency Range: Up to 300 megacycles per second.
Impedance: 50 ohms.
Temperature: Moderate.
Weatherproof: No.
Pressurized: No.
Shape: Cylindrical.
Material: Cast Bronze.
Insert: Bakelite.
Contacts: 1 end male, 2 prongs; 1 end female, 19 round contacts.
Type: Straight.
Dimensions: 4-11/16" x 2-3/4" diameter.
Weight: 0.125 pound.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York, Order No. 1352-MPD-44 (SigC); Dwg. No. M-7468196.

Pyle-National Company, Chicago 51, Illinois; Specification P-N Type X-1201-RLT.

Westinghouse Electric Manufacturing Company, Dayton, Ohio; Dwg. No. 7417451-P17.

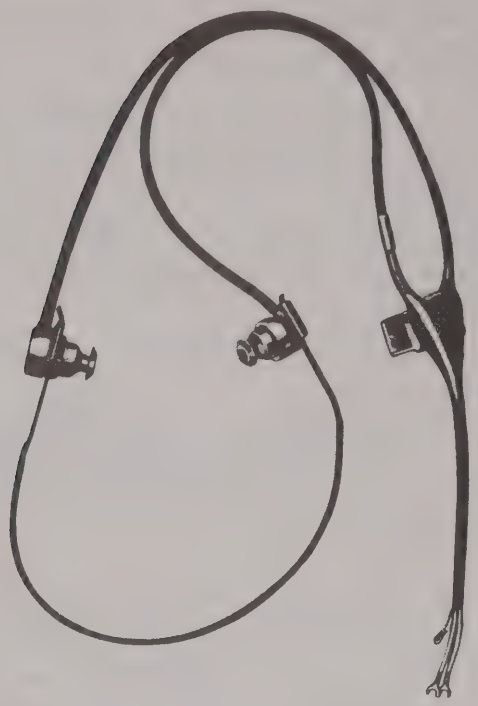
Wemco and G.E. Type W-2117.

STOCK NOS: (USAF) 1690-286042750, (SigC) 2Z296-18.
PROCUREM'T INFO: Dwg. No. SC-D-12055 (SigC).
COGNIZANCE: USAF, Rome FUNCTIONAL CLASS NO.: 11.3.3
- Electronics Test Equipment - U-18/UP

11.4 ACOUSTICAL-ELECTRICAL TRANSDUCERS

562

HEADSET HS-30-(*)



UNCTIONAL DESCRIPTION:

A general purpose, miniature, close-fitting headset used in monitoring beacons nd to assist in coding the pulse output of the equipment under test. It is used as a elephone or a radio receiving headset.

ELATIONSHIP TO OTHER EQUIPMENT:

Similar to commercial hearing aid devices.

LECTROMECHANICAL DESCRIPTION:

ircuit Information: Two magnetic-type receivers are connected in series. Each receiver consists of a receiver unit, cap, and housing. Each receiver unit consists of a diaphragm, permanent magnet, associated coils, and pole pieces built into a watertight brass case. Soft rubber earpieces snapped to the receivers are designed to fit snugly into the ear cavities and exclude outside noises.

ower Supply: None required.

esistance of Each Receiver: 75 ohms.

*) Refers to Models A, B, C, D, F, G, H, J, K, L, M, N, O, R, U.

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	1790-207478200	N17-H-52017-6401	2B830
PROCUREM'T INFO.: SigC Specification 71-1518			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, Rome	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.4.2	

project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

HEADSET HS-30-(*)

ELECTROMECHANICAL DESCRIPTION: (Continued)
Impedance of Set at 1000 Cycles per Second:
All models except "R"; 250 ohms.
Model "R"; 256 ohms +2% to -10%.

MANUFACTURERS' OR CONTRACTORS' DATA:
HS-30-A: Western Electric Company, 120 Broadway, New York, New York Order 5479-Chi-42(DP 42-M-1243).
HS-30-B: Sonotone Corporation, P.O. Box 200, Saw Mill River Road, Elmsford, New York; Orders 5480-Chi-42 (DP 42-M-1243), 8077-Phila-43 (DP 43-M-208), and 33418-Phila-43 (PP-1980).
HS-30-C: Trimm, Inc., 400 West Lake Street, Libertyville, Illinois; Order 22022-Phila-42 (DP-M-1499).
HS-30-D: Western Electric Company, 120 Broadway, New York, New York Order 8096-Phila-43 (DP 43-M-208), and 25499-Phila-43 (PP R-1552-A-43).
HS-30-F: Radio Speakers, Inc., 221 East Cullerton Street, Chicago, Illinois Orders 22017-Phila-42 (DP 42-M-1499 and DP 43-M-208), and 15323-Phila-43 (DP 43-MR-104).
HS-30-G: Western Electric Company, 120 Broadway, New York, New York Order 22018-Phila-42 (DP 42-M-1499 and DP 43-M-208).
HS-30-H: Holtzer-Cabot Division, 129 Amory Street, Boston, Massachusetts Order 22019-Phila-42 (DP 42-M-1499 and DP 43-M-208).
HS-30-J: Kellogg Switchboard and Supply Company, 6650 South Cicero Avenue Chicago 38, Illinois; Order 22020-Phila-42 (DP 42-M-1499 and DP-43-M-208).
HS-30-K: William J. Murdock Manufacturing Company, 158 Carter Street, Chelsea 50, Massachusetts; Order 22021-Phila-42 (DP 42-M-1499 and DP 43-M-208).
HS-30-L: Telex Inc., Telex Park, Minneapolis 1, Minnesota; Order 11889-Phila-43 (DP 43-M-609).
HS-30-M: Consolidated Radio Products Corporation, 350-1/2 West Erie Street Chicago, Illinois; Order 15289-Phila-43 (DP 43-MR-104).
HS-30-N: Radio Speakers, Inc., 221 East Cullerton Street, Chicago, Illinois Order 15323-Phila-43 (DP 43-MR-104).
HS-30-O: Sonotone Corporation, P.O. Box 200, Saw Mill River Road, Elmsford New York; Order 8077-Phila-43 (DP 43-M-208).
HS-30-R: Dictograph Sales Corporation, Jamaica 1, New York; Orders 15325-Phila-43 (DP 43-MR-104), 29333-Phila-43 (PP-1882), and 36209-Phila-43 (PP-2155).

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:
TO 16-40HS30-102 (Modification).

(*) Refers to Models A, B, C, D, F, G, H, J, K, L, M, N, O, R, U.

HEADSET HS-30-(*)

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	
1	Headset HS-30-(*) (Export Packed)	0.26				1.9

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Headset HS-30-(*) Including:	Brass	1790-207478200 N17-H-52017-6401 2B830				0.57
2	Receiver R-30-(*)		1600-208870000				
2	Insert M-300		3300-207755000				
1	Headband HB-30		1600-207375000				
1	Cord CD-620- (A, B, E, F, U)		2600-321657000(A) 3300-321658000(B) 3300-321662000(E) 3300-321664000(F) 3300-321668160(U) 3E1620 (A, B, E, F, U)				

HEADSET HS-33

FUNCTIONAL DESCRIPTION:

A low impedance, flat response, heatset of the headband type primarily used with adio and interphone systems in aircraft, but also used as test equipment for various udio checks on radio sets, e. g., preflight setting of the squelch, determining reso- ance, etc.

ELATIONSHIP TO OTHER EQUIPMENT:

Electrically interchangeable with Headset HS-38. Both headsets employ identical eceivers.

LECTROMECHANICAL DESCRIPTION:

ircuit Information: The conversion of electrical impulses to sound is accomplished by two Receivers (ANB-H-1). These receivers employ magnetic diaphragm and moving armature units.

ower Supply: None.

oice Frequency Range: 200 to 4000 cycles per second.

mpedance: 600 ohms at 1000 cycles per second.

emperature Range: -55° C. to +75° C.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.	Limited Standard		
STOCK NOS.	1600-207600000		2B833
PROCUREM'T INFO.: USAF Spec. No. 71-1183			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, C&N	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.4.2	
- Electronics Test Equipment -			HS-33

project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

HEADSET HS-33

MANUFACTURERS' OR CONTRACTORS DATA:

Western Electric Company, 120 Broadway, New York, New York; Order No. 446-43, 16 October 1942, Unit Cost, $11.30.

Utah Radio Products, Division International Detrola Corporation, Huntington, Indiana; Order No. 2411-43, 12 April 1944, Unit Cost, $7.93; Order No. 10566-43, 13 April 1944, Unit Cost, $7.93.

Best Manufacturing Company, Inc., 1200 Grove Street, Irvington 11, New Jersey; Order No. 6616-43, 7 December 1942, Unit Cost, $10.88.

Radio Speakers, Inc., 221 E. Cullerton Street, Chicago, Illinois; Order No. 6409-43, 1 February 1944, Unit Cost, $9.00.

Shure Brothers, 225 West Huron Street, Chicago 10, Illinois; Order No. 11764-43, 10 March 1943, Unit Cost, $8.92; Order No. 4142-45, 19 March 1945, Unit Cost, $8.18.

TUBE COMPLEMENT:

None.

REFERENCE DATA AND LITERATURE:

TO 16-1-29 (Maintenance Instructions).

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Over-all Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

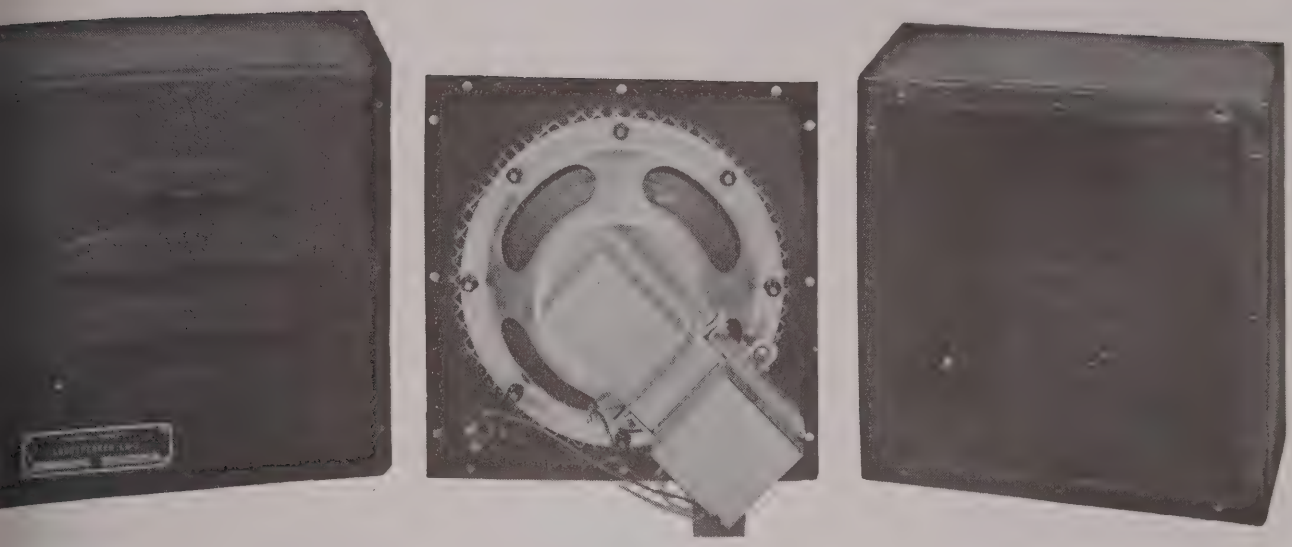
HEAD SET HS-33

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock (USAF) Numbers (Navy) (Army)	Over-all Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Headset HS-33 Including:		1600-207600000 2B833				0.60
2	Receiver ANB-H-1	Phenolic	1600-208930000 2B2051	2 dia.	15/16		0.16
2	Headset Cushion MX-41/AR or Headset Cushion MC-162-A	Neoprene Rubber	1600-207025800 2B270-41 1600-207020000 2B262-A	2 dia. 2-1/2 dia.	7/8 5/8		0.08 0.04
1	Headband HB-7	Leather covered steel	1600-207370000 2B707	6	6	2	0.29
1	Plug PL-354		8850-829759 2Z7226-354	1/2 dia.	2-9/16		0.03

570

LOUDSPEAKER LS-3
(LOUDSPEAKER, DYNAMIC, LS-3)



UNCTIONAL DESCRIPTION:

A portable, permanent magnet, electrodynamic type low impedance loudspeaker, sed in the operational testing of a radio receiving set. It is mounted in a steel abinet. It contains an impedance matching output transformer for use with receivrs which have high output impedances, and it includes a baffle with its input Jack K-33-A.

ELATIONSHIP TO OTHER EQUIPMENT:

This unit is used in testing Radio Receiving Sets AN/FRR-12 and SCR-188-A.

LECTROMECHANICAL DESCRIPTION:

ircuit Information: Audio output from the radio receiver energizes a coil which moves in the field of a permanent magnet. This movement is translated to a fiber cone. The cone moves the surrounding air to radiate audible sounds which are identical in character to the audio output of the receiver.

ower Supply: None required.

put Rating: 1.5 watts, normal; 3 watts, peak.

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.	Standard		
STOCK NOS.	1700-292615000	N17-L-91319-6021	2Z6303.1
PROCUREM'T INFO.:	Spec. No. 71-958(SigC)		
PROCUREM'T COG.:	USAF	DESIGN COG.: USAF, Rome	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.4.2	

project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

LOUDSPEAKER LS-3
(LOUDSPEAKER, DYNAMIC, LS-3)

ELECTROMECHANICAL DESCRIPTION: (Continued)

Input Impedance: 3.2 ohms.

Impedance Matching the Input Impedance of the Transformer: 8000 ohms ±15% at 400 cycles per second.

Outside Diameter of Speaker Cone: 6 inches.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady 5, New York; Part/Dwg. No. K-7884047-P1.

The Hallicrafters Company, Chicago 16, Illinois; Part /Dwg. No. 85C015.

The Magnavox Company, Fort Wayne 4, Indiana; Part /Dwg. No. 1D1966.

TUBE COMPLEMENT:

None.

REFERENCE DATA AND LITERATURE:

16-30FRR12-5 (Instruction Book for Radio Set AN/FRR-12).

16-40SCR188-5 (Instruction Book for Radio Set SCR-188-A).

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Loudspeaker LS-3	Steel	1700-292615000 N17-L-91319-6021 2Z6303.1	8-1/4	8-1/4	5-1/4	19.56

11.5 AUXILIARY MECHANICAL EQUIPMENT

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PRESSURIZING KIT MK-20A/UP

FUNCTIONAL DESCRIPTION:

A portable, general purpose hand pump used for pressurizing radar systems which employ sealed-type components. The condition of the silica gel dehydrator may be examined through a small lucite window on the barrel. The unit consists of an automobile-type hand pump, a cylinder containing the silica gel drying agent, a pressure gauge, and a rubber hose. The hose terminations fit standard automobile-type valve stems.

RELATIONSHIP TO OTHER EQUIPMENT:

Similar to MK-20/UP but the "A" model has an aluminum barrel with a lucite window instead of a complete lucite barrel.

Similar to MK-12/AP but the MK-20A/UP is more efficient.

Similar to Andrew Company Model 870.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	7CAC-654700	R16-P-1160	2Z5732-20A
PROCUREM'T INFO.:			
PROCUREM'T COG.: Navy		DESIGN COG.: Navy, BuAer	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.5	
- Electronics Test Equipment -			MK-20A/UP

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

PRESSURIZING KIT MK-20A/UP

ELECTROMECHANICAL DESCRIPTION:

Power Supply: None.
Pressure Gauge: 0 to 30 lbs.
Output: 26 cubic inches of air per piston stroke.
Dehydration: Will dry 170 cubic feet of free air, reducing an average relative humidity of 60% to a relative humidity of 10%.

MANUFACTURERS' OR CONTRACTORS' DATA:

Victor J. Andrew Company, 363 East 75th Street, Chicago 19, Illinois; Nav Contract NOa(s)-3339, and NOa(s)-4171.

TUBE COMPLEMENT:

None.

REFERENCE DATA AND LITERATURE:

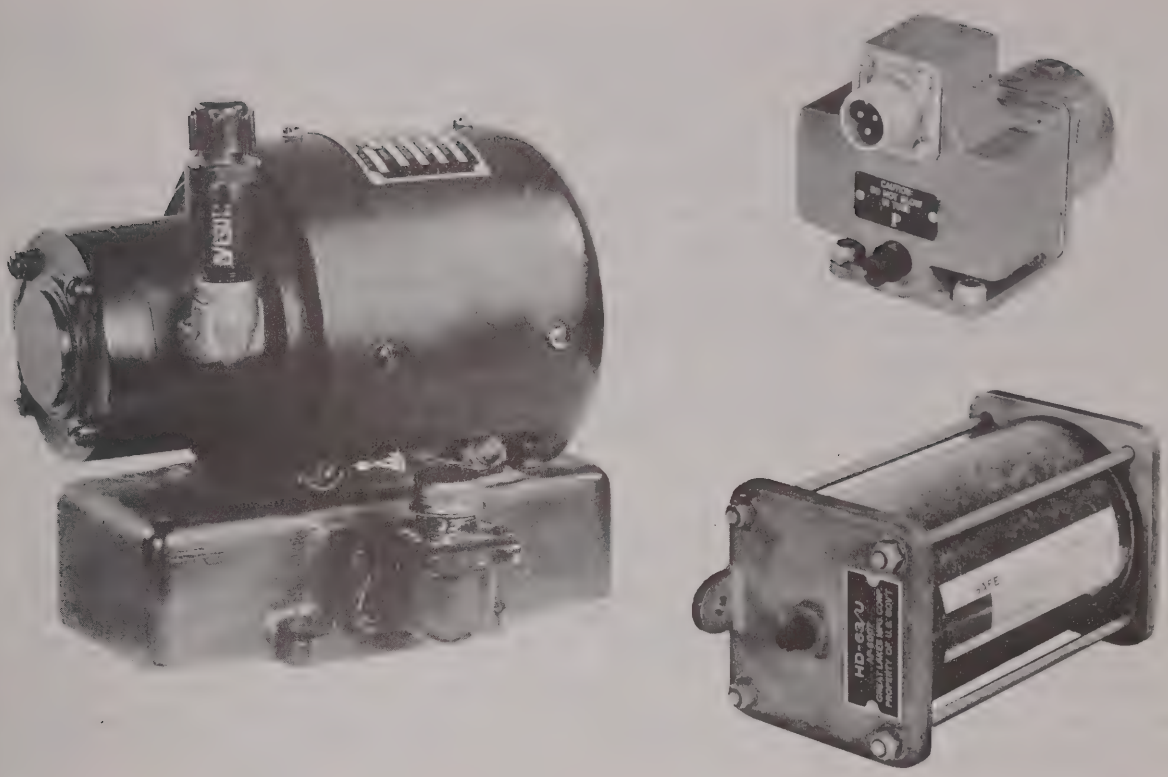
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Pressurizing Kit MK-20A/UP Including:	Aluminum	7CAC-654700 R16-P-1160 2Z5732-20A	25	9	9	8.5
1	Gauge, Andrew No. 3024						
1	Tee, Andrew No. 3022						
2	Hose, Andrew No. 876-228			84 long			
1	Valve Cap, Andrew No. 876-231						

PRESSURIZING KIT MK-62/AP



FUNCTIONAL DESCRIPTION:

A portable, general purpose kit used to automatically maintain atmospheric pressure at sea level in airborne radar sets in order to maintain service conditions during tests. This kit consists of an air compressor, a dehydrator, a check valve, and a switch. The air compressor consists of a vane type pump driven by an electric motor on a common mounting base. A tank is not included. The dehydrator is a chemical type consisting of a plastic container for the dehydrating agents and a pipe fitting on each end for air inlet and outlet. The check valve is a spring loaded gate type with a pipe fitting on each end used to restrict the flow of air in one direction so that proper pressure will be maintained. The switch is a SPST normally open type actuated by air pressure. It automatically turns the air compressor on or off to keep the pressure differential within prescribed limits. This pressurizing kit is used at all echelons of maintenance.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.			
PROCUREM'T INFO:	Spec. Nos. X-7281, X-7292 (USAF); MIL-D-5730(USAF); MIL-S-5723(USAF).		
PROCUREM'T COG.:		DESIGN COG.: USAF, ECL	
F.I.I.N.:		FUNCTIONAL CLASS, NO.: 11.5	
	- Electronics Test Equipment -		MK-62/AP

is project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

PRESSURIZING KIT MK-62/AP

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Power Supply: 115 volts, AC, 400 cycles per second, 2.5 to 4 amperes, single phase for air compressed motor.

Altitude Limits: Sea level to 50,000 feet.

Capacity of Air Compressor: 400 cubic inches of air per minute at sea level. 8(cubic inches of air per minute at 50,000 feet.

Capacity of Dehydrator: 400 cubic inches of air per minute, dehydrated from 95% relative humidity to 40% relative humidity continuously for 15 hours.

Check Value Pressure Rating: 40 pounds per square inch working pressure.

Switch Pressure Rating: Closes on 4 inches of mercury pressure differential, an(can be adjusted to close at any pressure between 24 and 32 inches of mercury.

Switch Electrical Rating: 27.5 volts, DC, 2.5 to 4 amperes; 115 volts, AC, 10 am- peres, single phase.

MANUFACTURERS' OR CONTRACTORS' DATA:

Air Compressor and Check Valve Romec Division of Lear, Inc., Elyria, Ohio Romec Dwg. No. for Check Valve: RA-8026B; USAF Contract Nos. AF 33(038)5995 1 June 1949, $164.67; AF 33(038)20694, 29 June 1951, $172.70; AF 33(600) 19465 13 August 1952, $142.50.

Dehydrator and Switch: Great Lakes Manufacturing Corporation, Cleveland, Ohio USAF Contract Nos.:

	Dehydrator	Switch
AF 33(038)-6007, 1 June 1949	$18.00	$18.00
AF 33(038)-22336, 19 March 1951	8.50	17.35
AF 33(600)-9132, 1 February 1952	8.50	17.35
AF 33(600)-19424, 20 June 1952		16.75

TUBE COMPLEMENT:

None.

REFERENCE DATA AND LITERATURE:

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Over-all Dimensions (inches)			Weigh Packe (Lbs.
			H	W	D	

PRESSURIZING KIT MK-62/AP

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock (USAF) Numbers (Navy) (Army)	Over-all Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Pressurizing Kit MK-62/AP Including:						
1	Air Compressor HD-70/U		1800-337484866 3H1004-8	4-7/8	5-37/64	3-1/8	5.5
1	Dehydrator HD-63/U	Plastic	1600-291694566 2Z5023-63	7	3-1/4 dia.		1.5
1	Switch SA-198A/U	Brass or Aluminum	3360-399824525 3Z7990-198A	2	4-1/4	2-3/4	1.0
1	Check Valve MX-1053/U	Aluminum	1690-373899300	1-11/16	11/16 dia.		

HARDWARE KIT MX-1345/APN-84

FUNCTIONAL DESCRIPTION:

A portable, general purpose kit which serves as a mechanical aid to permit easy manual control of a range indicator in the absence of a computer drive. This kit is used at all maintenance echelons.

RELATIONSHIP TO OTHER EQUIPMENT:

MECHANICAL DESCRIPTION:

Physical Characteristics: This kit consists of a turning wheel with a handle attached to its periphery, a shaft, and a gear assembly. It attaches to a mileage indicator assembly where the mileage computer would normally be installed. This permits the operator to crank in any desired test mileage on the indicator without having to turn the driving gears on the indicator assembly by hand.

Power Supply: None.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	1670-320000		
PROCUREM'T INFO.: USAF Exhibit No. WCE-295 dated 8 May 1952			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, Arm.	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.5	
- Electronics Test Equipment - MX-1345/APN-84			

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

HARDWARE KIT MX-1345/APN-84

MANUFACTURERS' OR CONTRACTORS' DATA:
Radio Corporation of America, RCA Victor Division, Camden 2, New Jersey; USAF Purchase Request No. 170470 (1952); Approximate Cost per Unit, $5.00.

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:
Manufacturer's Instruction Sheet.

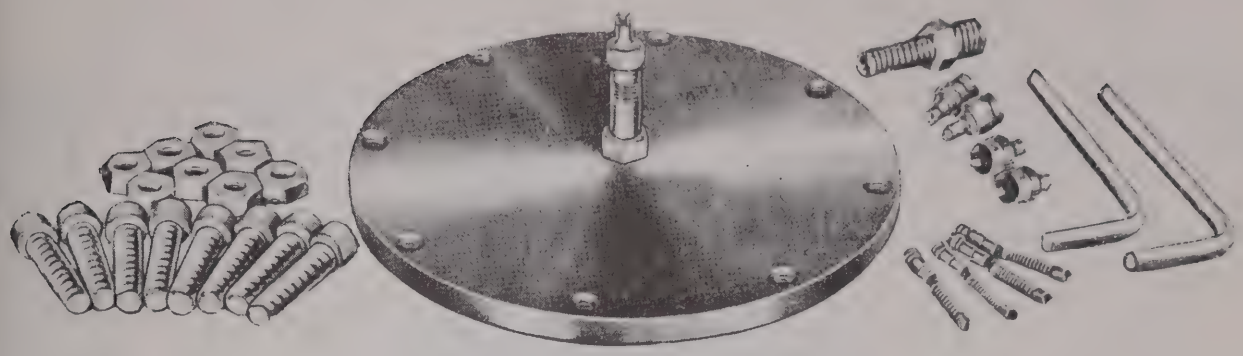
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	
1	Hardware Kit MX-1345/APN-84					1.5

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Hardware Kit MX-1345/APN-84 Including:		1670-320000	1-15/16	4-11/16	3-3/8	0.56
2	Knob Assembly						
2	Gear						
2	Clamp Assembly						
4	Washer						
2	Screw						
2	Lockwasher						
1	Instruction Sheet						
1	Container			1-15/16	4-11/16	3-3/8	

PRESSURIZING PLATE TS-378/UP



FUNCTIONAL DESCRIPTION:

The TS-278/UP is a plate used to seal a section of a waveguide in order to test for air leaks. It is used with the MK-20A/UP Pump for pressurizing the waveguide of AN/APS-20C series radar.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Physical Description: The plate consists of a 5-1/8 inch diameter brass plate, 1/4 inch thick, drilled to mount on a 1-1/2 inch by 3 inch waveguide flange. The plate is provided with an air valve to permit pressurizing. Pressure is applied by means of an auxiliary pump.

MANUFACTURERS' OR CONTRACTORS' DATA:

Radiation Counter Laboratories, Inc. 5122 West Grove Street, Skokie, Illinois; Contract No. N383s-8030(ASO).

TUBE COMPLEMENT:

None.

REFERENCE DATA AND LITERATURE:

	AIR FORCE	NAVY	ARMY
TYPE CLASS.	Standard	Standard	
STOCK NOS.	7CAC-635000	(ASO)R16-AN-TS-378-UP	
PROCUREM'T INFO.:		(USN)N16-P-4-1881-124	
PROCUREM'T COG.: USN		DESIGN COG.: USN, BuAer	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.5	
- Electronics Test Equipment -			TS-378/UP

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

PRESSURIZING PLATE TS-378/UP

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Pressurizing Plate TS-378/UP		7CAC-635000 N16-P401881-124 R16-AN-TS-378-UP	5-1/8	diameter x 1/4 thick		1.5
2	Allen Wrench						
8	Attaching Bolt and Nut						
1	Set, Valve Parts and Fittings						

OVEN-THERMAL DRYING ELECTRIC DEHYDRATOR
(Dehydrator, Oven-Thermal, Drying, Electrical)
Part No. 404014-100
(Hughes Aircraft Company)

FUNCTIONAL DESCRIPTION:

This oven is designed to remove accumulated moisture from dehydrator elements. Up to six dehydrators such as Hughes Part No. 463097-100 can be accommodated at one time. Dehydrators which have accumulated more than 4% moisture are dried in the oven. The equipment provides a constant high temperature enclosure and hot air for removing moisture.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: The oven chamber contains two heating elements which are thermostatically controlled by an electrical system. The heaters maintain the oven temperature and supply heat to the pneumatic system. A thermostat-fan circulates the air to maintain an even temperature. A timer in the electrical system controls continuous operation for up to five hours.

Pneumatic System: The system includes an air filter, an air pump, a manifold,

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.			
PROCUREM'T INFO.:			
PROCUREM'T COG.:		DESIGN COG.: Commercial	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.5	
	- Electronics Test Equipment -		Hughes 404014-100

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

OVEN-THERMAL DRYING ELECTRICAL DEHYDRATOR
(Dehydrator, Oven-Thermal, Drying, Electrical)
Part No. 404014-100
(Hughes Aircraft Company)

ELECTROMECHANICAL DESCRIPTION:

and an exhaust tube for providing hot air to the dehydrators. Air is drawn into the pneumatic system through air vents in the operating panel. The air passes through the filter and is forced, by the pump, through the heating tube, drawer manifold, and dehydrators.

Power Supply: 28 volts, DC, 400 watts; 115 volts, AC, 60 cycles per second, single-phase, 1400 watts.

Operating Temperature: +185°C (+365°F).

Timer Dial Calibration: 0 to 5 hours, 15-minute divisions.

MANUFACTURERS' OR CONTRACTORS' DATA:

Hughes Aircraft Company, Culver City, California; Contract No. AF 33(600)-27013; 14 September 1954; Approximate Cost per Unit, $1824.00.

TUBE COMPLEMENT:

None.

REFERENCE DATA AND LITERATURE:

Hughes Handbook No. 67-126 (Preliminary Operation and Service Instructions).

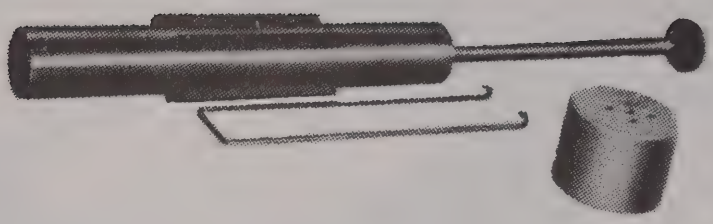
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Oven-Thermal Drying Electrical Dehydrator (Hughes 404014-100			18	26	21	
	Power Cables						
1	Insulated Pad						
1	Thermometer						
						Total:	100

EQUALIZING BLOCK
MODEL NO. CF-19
(Leeds and Northrup Company)



FUNCTIONAL DESCRIPTION:

A portable, general purpose unit designed to facilitate accurate testing and calibration of working-standard thermocouples by insuring uniform temperature. By use of the equalizing block, checks can be made within plus or minus one degree Fahrenheit from room temperature to 1000 degrees Fahrenheit as compared to plus or minus three degrees when checks are made without aid of the unit.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in conjunction with Check Furnace Leeds and Northrup 9003 or 9004.

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: The equalizing block consists of a cylindrical copper block which has five receptacle holes for insertion of test and comparison standard thermocouples. A special tool is provided for inserting and withdrawing the block during furnace tests. The unit includes a lid brick for insulation, and a pedestal to prevent the unit from descending too deeply into the furnace working space.

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.		Substitute Standard	
STOCK NOS.			
PROCUREM'T INFO.:			
PROCUREM'T COG.: Navy		DESIGN COG.: Commercial	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.5	

EQUALIZING BLOCK
MODEL NO. CF-19
(Leeds and Northrup Company)

ELECTROMECHANICAL DESCRIPTION: (Continued)

Power Supply: None.

Temperature Range: Room temperature to 1000°F.

Receptacle Holes Dimensions: 18 inches by 9/16 inches diameter.

MANUFACTURERS' OR CONTRACTORS' DATA:

Leeds and Northrup Company, 4901 Stenton Avenue, Philadelphia 44, Pennsylvania; Approximate Cost per Unit, $212.00.

TUBE COMPLEMENT:

None.

REFERENCE DATA AND LITERATURE:

Manufacturer's Data Sheet E-33(1) and Catalog EF-22-33(1).

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Equalizing Block Leeds and Northrup CF-19	copper		20	2-3/4 dia		40
1	Inserting Tool						
1	Lid Brick						

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	
	Equalizing Block, Leeds and Northrup CF-19					

RECEIVER-TRANSMITTER MAINTENANCE STAND MT-1164/U

FUNCTIONAL DESCRIPTION:

A special purpose, rigid type electronic maintenance stand designed for holding a radio receiver-transmitter in bench testing the various subassemblies. The stand permits adjustable positioning of the item held.

RELATIONSHIP TO OTHER EQUIPMENT:

Used for holding Radio Receiver-Transmitter RT-128/ARC-21, a component of Radio Sets AN/ARC-21, and -21X.

ELECTROMECHANICAL DESCRIPTION:

The function of this device is purely mechanical. There are no electrical connections.

MANUFACTURERS' OR CONTRACTORS' DATA:

Radio Corporation of America, Camden, New Jersey; USAF Contract AF 33(600) 24390, dated 25 April 1953; RCA Dwg. C-743970.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	7CAC-738170		
PROCUREM'T INFO.:	USAF Spec. No. 71-5056A and Amend. 1		
PROCUREM'T COG.:	USAF	DESIGN COG.: USAF, C&N	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.5.1	
	- Electronics Test Equipment -		MT-1164/U

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

RECEIVER-TRANSMITTER MAINTENANCE STAND MT-1164/U

TUBE COMPLEMENT:

None.

REFERENCE DATA AND LITERATURE:

TO 16-35MT1164-1 (Operation and Services Instructions).
TO 16-35MT1164-4 (Illustrated Parts Breakdown).

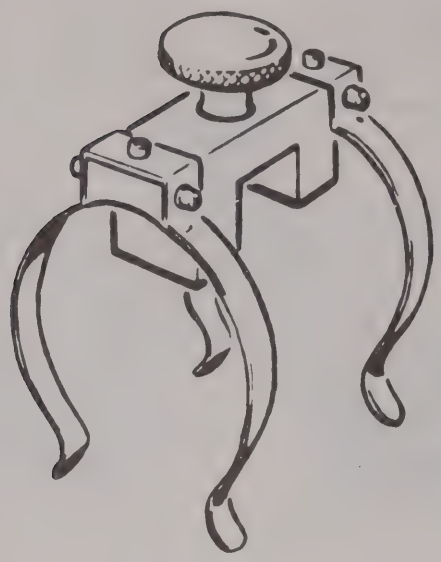
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weigh Packe (Lbs.
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weigh (Lbs.
				H	W	D	
1	Receiver-Transmitter Maintenance Stand MT-1164/U	Steel	7CAC-738170	7-15/16	19	18-1/2	11.37

TEST SET ADAPTER MX-915/U
(ADAPTER, TEST SET, MX-915/U)



FUNCTIONAL DESCRIPTION:

A special purpose clip-on type adapter used with a fluxmeter to measure the flux density of a magnetron magnet of specific dimensions. This adapter mounts on the probe meter of the fluxmeter, and holds the probe meter coil at the electrical center in the gap of the magnet under test. The combination is used in organizational, field, and depot testing.

RELATIONSHIP TO OTHER EQUIPMENT:

This adapter is used with Fluxmeters TS-15A/AP and TS-15B/AP. The two equipments are used together to test magnetron magnets with pole gap of 1.77 ±0.01 inches and pole face diameter of 1.5 inches, such as are used in Radar Set AN/CPS-6B. Two yoke assemblies are provided with each fluxmeter, but they cannot be used for pole gaps over 1.5 inches.

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: This adapter has no electrical connection with any circuit. It

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	7CBM-MX-915U		3F4-915
PROCUREM'T INFO.: USAF Dwg. Index No. 48A57838			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, Rome	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.5.1	
- Electronics Test Equipment -			MX-915/U

s project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

TEST SET ADAPTER MX-915/U
(ADAPTER, TEST SET, MX-915/U)

ELECTROMECHANICAL DESCRIPTION: (Continued)
is only a mechanical device whose yoke is made of brass and whose spring is made of beryllium copper. The adapter is chromium plated.

MANUFACTURERS' OR CONTRACTORS' DATA:
Industrial Devices, Inc., Edgewater, New Jersey; Contracts AF 33(038)27698, dated 12 June 1951; Approximate Cost per Unit, $3.90, and AF 33(600)18849, dated 6 May 1952; Approximate Cost per Unit, $7.00.

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:
AN 16-35TS15-3 (Maintenance Instructions for TS-15/AP).
TO 16-30CPS6-6 (Operating Instructions for AN/CPS-6B).
TO 16-30CPS6-7 (Maintenance Instructions for transmitter-receiver system of AN/CPS-6B).

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Test Set Adapter MX-915/U	Brass	7CBM-MX-915U 3F4-915	1-3/4	2-5/16	1-1/2	0.625

TEST SET ADAPTER MX-1028/U
(ADAPTER, TEST, MX-1028/U)

FUNCTIONAL DESCRIPTION:

A portable, fluxmeter adapter, used to center and secure the probe meter of Fluxmeter TS-15B/AP to a magnetron magnet whose pole gap is 3.64" and pole face diameter is 4". It is made of polystyrene material, and consists of a base holder and two screw caps. A graduated scale on the screw caps is marked 1, 2, 3, 4 to cover the range of 90 degrees to 360 degrees. This adapter is used in organizational, field, and depot testing.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: This adapter does not make electrical connection with any circuit as it is only a mechanical device. The yoke is brass, the spring is beryllium copper, and the adapter is chromium plated.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	7CBM-MX1028U		3F4-1028
PROCUREM'T INFO.: USAF Dwgs. 50B55161, 50B55162, 50B55163.			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, Rome	
F.I.I.N.:		RDB IDENT. NO.: 11.5.1	

s project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

TEST SET ADAPTER MX-1028/U
(ADAPTER, TEST, MX-1028/U)

MANUFACTURERS' OR CONTRACTORS' DATA:

M&M Metal Manufacturing Company, Arverne, Long Island, New York; USAF Contract Nos. AF 33(038)-24764, and AF 33(600)-17854, dated 13 May 1952; Approximate Cost per Unit, $15.00.

Artisan Electronics Corporation, New York, New York; USAF Contract No. AF 33(600)-19219.

TUBE COMPLEMENT:

None.

REFERENCE DATA AND LITERATURE:

TO 16-35MX1028-1 (Operating Instructions).
TO 16-35MX1028-2 (Service Instructions).
TO 16-35MX1028-3 (Overhaul Instructions).
TO 16-35MX1028-4 (Parts Breakdown).

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Test Set Adapter MX-1028/U		7CBM-MX1028U 3F4-1028	3-3/8	1-1/8 dia.		0.5

TARGET STAND, UNIVERSAL BORESIGHT
Part No. 456682
(Lockheed Aircraft Corporation)

FUNCTIONAL DESCRIPTION:
A mobile stand designed to position boresight targets. The stand supports Frame Assembly No. 457849.

RELATIONSHIP TO OTHER EQUIPMENT:
This equipment is similar to Lockheed Part No. 453352. The base is modified and the mast is lighter weight than No. 453352.

MECHANICAL DESCRIPTION:
Physical Characteristics: The stand is a caster mounted tubular steel frame with an adjustable mast. A 62-inch square base, mounted on four casters, supports a single mast. No provision is made for leveling the base since the target can be leveled in one plane by rotating it on the mounting. The mast can be extended from 82.3 to 106.3 inches above the ground. A tow bar is provided for attaching the stand to a towing vehicle.

MANUFACTURERS' OR CONTRACTORS' DATA:
Lockheed Aircraft Corporation, Burbank, California; Contract No. AF 33(038)-14805C; Approximate Cost per Unit, $300.00.

REFERENCE DATA AND LITERATURE:
(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	7CAC-800900		
PROCUREM'T INFO.:			
PROCUREM'T COG.:	DESIGN COG.: Commercial		
F.I.I.N.:	FUNCTIONAL CLASS. NO.: 11.5.1		
- Electronics Test Equipment -	Lockheed 456682		

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

TARGET STAND, UNIVERSAL BORESIGHT
Part No. 456682
(Lockheed Aircraft Corporation)

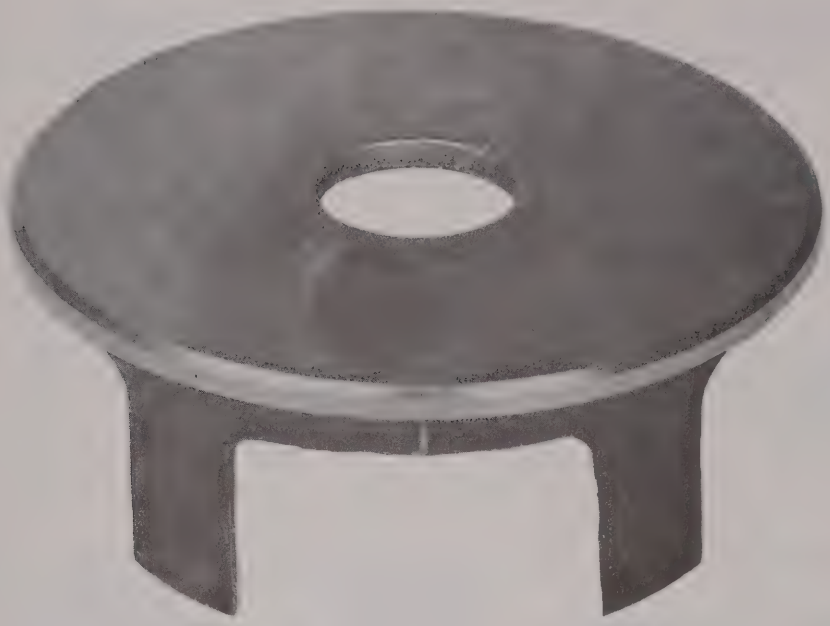
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Target Stand, Universal Boresight (Lockheed 456682)	Steel	7CAD-800900				

TABLE, VERTICAL GYRO LEVELING
Part No. HT159
(Minneapolis-Honeywell Regulator Company)



FUNCTIONAL DESCRIPTION:

A special purpose tool used in leveling the JG7003A Vertical Gyro Rotor in conjunction with the HT127 Calibration Fixture.

RELATIONSHIP TO OTHER EQUIPMENT:

MECHANICAL DESCRIPTION:

Physical Description: This tool is a steel table with four accurately machined legs which rest on the rotor of the gyro which is being adjusted. After a gyro has been placed in the calibration fixture, the table is placed on the rotor and the spindle of the calibration fixture is lowered so that it engages the rotor end stud. A level is then placed on the table and the gyro rotor may be leveled in the pitch and roll planes by adjusting the thumbscrews of the calibration fixture.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.			
PROCUREM'T INFO.:			
PROCUREM'T COG.:	DESIGN COG.: Commercial		
F.I.I.N.:	FUNCTIONAL CLASS. NO.: 11.5.1		
- Electronics Test Equipment - M.-Honeywell HT159			

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

TABLE, VERTICAL GYRO LEVELING
Part No. HT159
(Minneapolis-Honeywell Regulator Company)

MANUFACTURERS' OR CONTRACTORS' DATA:

Minneapolis-Honeywell Regulator Company, 2753 Fourth Avenue, Minneapolis 8, Minnesota.

REFERENCE DATA AND LITERATURE:

Manufacturer's Catalog, Form ADT-151.

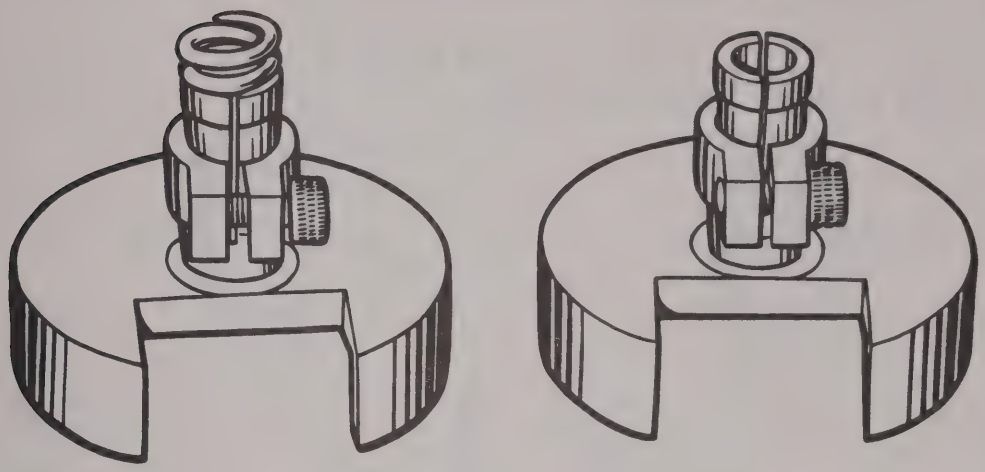
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Table, Vertical Gyro Leveling Minneapolis-Honeywell Part No. HT159	Steel					

ROTOR MOUNTING CHUCK
Model No. HT273, HT274
(Minneapolis-Honeywell Regulator Company)



FUNCTIONAL DESCRIPTION:
A special purpose tool for mounting the JG7003A Vertical or JG7005A Rate Gyro Rotors in the Sperry Strobodyne Balancer Chuck.

RELATIONSHIP TO OTHER EQUIPMENT:

MECHANICAL DESCRIPTION:
Physical Description: The rotor mounting chuck consists of the following: (1) a hollow, split shank which engages the shaft of the rotor under test, (2) a split collar to lock the chuck at any desired position on the shaft, and (3) a round flange which nests in the balancer chucks. The HT273 Chuck has a bearing preloading spring which exerts a specific amount of load upon the rotor bearing during test. The chucks are placed on either end of the rotor shaft, the bearing is preloaded by means of a preloading device, and the split collars are locked in position. The entire assembly may then be mounted for the balancing operation.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.			
PROCUREM'T INFO.:			
PROCUREM'T COG.:		DESIGN COG.: Commercial	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.5.1	

• project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

600

ROTOR MOUNTING CHUCK
Model No. HT273, HT274
(Minneapolis-Honeywell Regulator Company)

MANUFACTURERS' OR CONTRACTORS' DATA:
Minneapolis-Honeywell Regulator Company, Minneapolis, Minnesota.

REFERENCE DATA AND LITERATURE:
Manufacturer's Catalog, Form ADT-231.

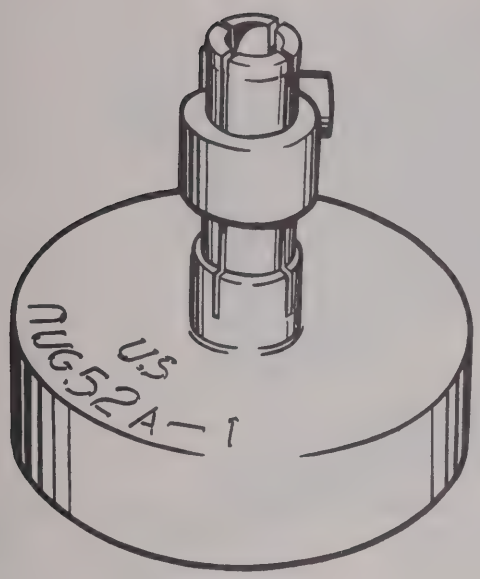
SHIPPING DATA:

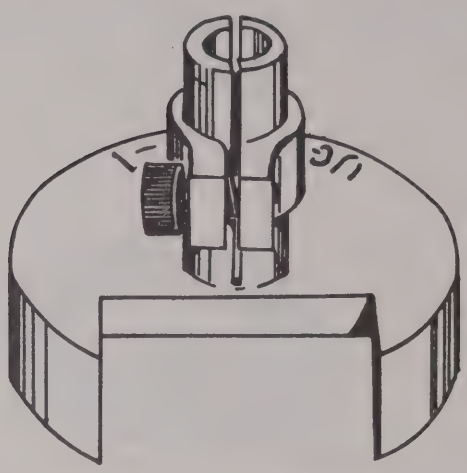
No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	
	Rotor Mounting Chuck Minneapolis-Honeywell HT273, HT274					

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Rotor Mounting Chuck Minneapolis-Honeywell HT273						
1	Rotor Mounting Chuck Minneapolis-Honeywell HT274						

ROTOR BALANCING CHUCK
UG52A-1, UG52B-1
(Minneapolis-Honeywell Regulator Company)





FUNCTIONAL DESCRIPTION:
A special purpose tool for holding the JG7044A Cageable Vertical Gyro rotor shaft during the balancing operation.

RELATIONSHIP TO OTHER EQUIPMENT:

MECHANICAL DESCRIPTION:
Physical Description: The rotor balancing chucks consist of the following: (1) a hollow, split shank which engages the shaft of the rotor under test, (2) a split collar to lock the chuck at any desired position on the shaft, and (3) a round flange which is clamped in a micronamic balancer. The chucks are placed on either end of the rotor shaft, the split collars are locked in place, and the entire assembly may then be mounted for the balancing operation.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.			
PROCUREM'T INFO.:			
PROCUREM'T COG.:		DESIGN COG.: Commercial	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.5.1	
- Electronics Test Equipment - UG52A-1 & UG52B-1			

ROTOR BALANCING CHUCK
UG52A-1, UG52B-1
(Minneapolis-Honeywell Regulator Company)

MANUFACTURERS' OR CONTRACTORS' DATA:

Minneapolis-Honeywell Regulator Company, Aeronautical Division, Minneapolis, Minnesota.

REFERENCE DATA AND LITERATURE:

Manufacturer's Catalog, Form ADT299, ADT300.

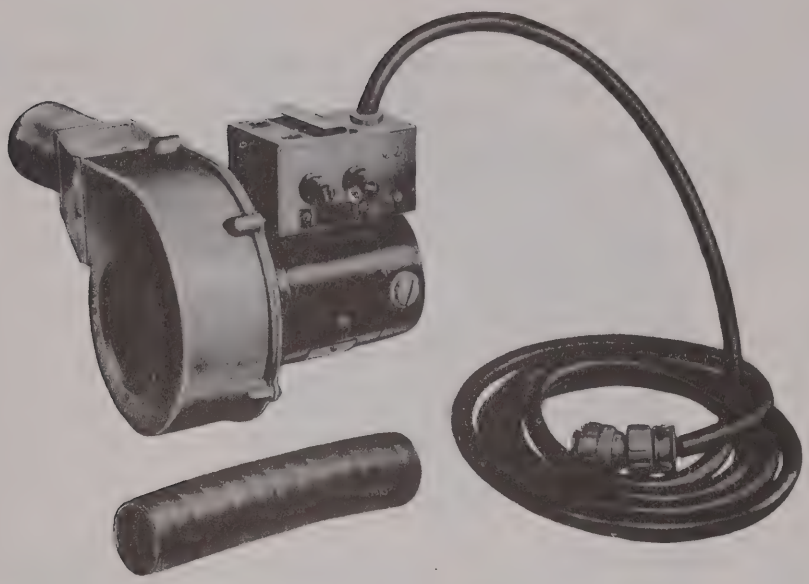
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	
	Rotor Balancing Chuck Minneapolis-Honeywell UG52A-1, UG52B-1					

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Rotor Balancing Chuck Minneapolis-Honeywell UG52A-1	Steel		1-1/2 long	1-1/2 dia.		1/8
1	Rotor Balancing Chuck Minneapolis-Honeywell UG52B-1	Steel		1-1/2 long	1-1/2 dia.		1/8

BLOWER HD-5/APS-20



FUNCTIONAL DESCRIPTION:

A special purpose equipment used to furnish cooling air to the modulator of a radar set. It is used in organizational, field, and depot maintenance.

RELATIONSHIP TO OTHER EQUIPMENT:

Used in testing AN/APS-20B, -20C.

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: The equipment consists of a motor operated, centrifugal vane type blower. It includes an electrical noise suppressor, 10 ampere fuses and holders, a terminal board, a cable assembly with connector receptacle AN-3106B-16-11P and clamps. The motor is single speed with direct drive, and rotates clockwise looking toward the load.

Power Input: 27 volts, DC, 8 amperes.

Motor Rating: 1/6 horsepower, 5600 revolutions per minute.

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.		R16-AN-HD-5/APS-20	
PROCUREM'T INFO.:			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, ARL	
F.I.I.N.:		RDB IDENT. NO.: 11.5.2	
- Electronics Test Equipment -			HD-5/APS-20

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U.S.A.

BLOWER HD-5/APS-20

ELECTROMECHANICAL DESCRIPTION: (Continued)
Blower Output: 66 cubic feet of air per minute against a two-inch head.
Vane Diameter: 2-15/16 inches.

MANUFACTURERS' OR CONTRACTORS' DATA:
General Electric Company, Schenectady, New York; G. E. Dwg. P-9245019; BuAer Contracts NOa(s)-9197, NOa(s)-12285, and NOas 51-436.
Hazeltine Electronics Corporation, 1775 Broadway, New York 19, New York; Hazeltine Dwg. A-5281; BuAer Contracts NOa(s)-9884 and NOas 51-437.

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:
NAVAER 16-5S-506 (Instruction Book).

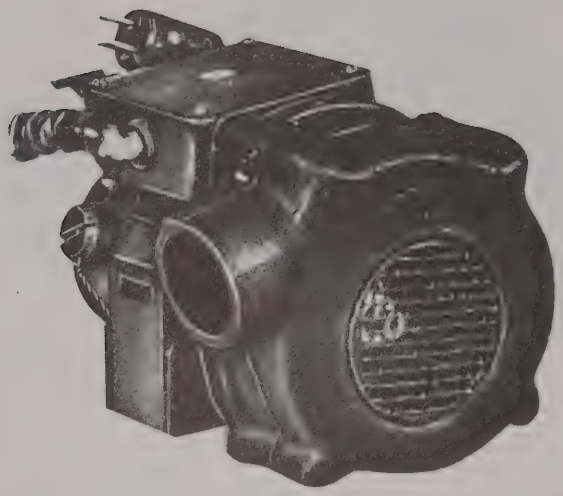
EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Over-all Dimensions (inches) H	W	D	Weight (Lbs.)
1	Blower HD-5/APS-20	Alum-inum	R16-AN-HD-5/APS-20	12	7	15	7
1	Hose						
1	Instruction Book						

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Over-all Dimensions (inches) H	W	D	Weight Packed (Lbs.)

BLOWER UNIT MX-215A/APG
(FAN, CENTRIFUGAL, MX-215A/APG)



FUNCTIONAL DESCRIPTION:

A portable, general purpose, blower used for cooling receiver-transmitters and range units. Radio frequency interference is suppressed by a power line filter, an electrostatic brush holder, and a cast aluminum fan housing.

RELATIONSHIP TO OTHER EQUIPMENT:

Similar to MX-215/APG except for the addition of shielded brush holders, metal housing, and weight on the MX-215A/APG.

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: A drum type fan consisting of 24 blades is driven by an electric motor.

Power Input: 28 volts, DC, 1 ampere.

Motor Speed: 7000 revolutions per minute.

Output: 22 cubic feet per minute through a 7/8 inch opening.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	1660-336089973		3H379-215A
PROCUREM'T INFO.: Dwg. No. 1K109952			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, Arm.	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.5.2	
- Electronics Test Equipment -			MX-215A/APG

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. Multilithed in U. S. A.

BLOWER UNIT MX-215A/APG
(FAN, CENTRIFUGAL, MX-215A/APG)

MANUFACTURERS' OR CONTRACTORS' DATA:
Galvin Manufacturing Corporation, 4545 W. Augusta Boulevard, Chicago, Illinois.

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:
TO 16-30APG5-7 (Maintenance Instructions for AN/APG-5C).

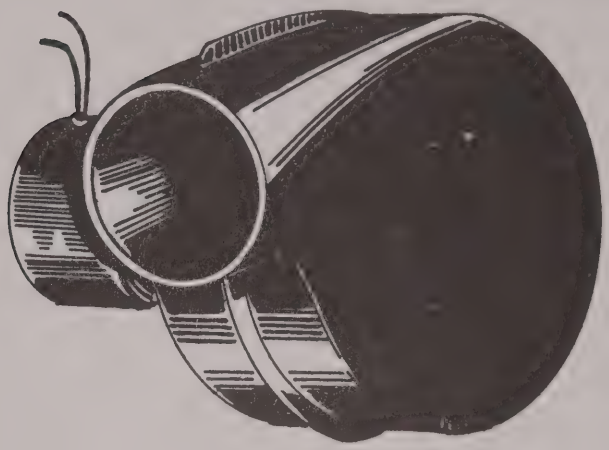
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Blower Unit MX-215A/APG	Cast alum-inum	1660-336089973 3H379-215A	4-3/4	3-9/16	4-1/16	2

BLOWER
Model 1C-939
(Dayton Electric Manufacturing Company)



FUNCTIONAL DESCRIPTION:

A general purpose blower which is especially adapted for forced drafts for warm air heating systems, heat boosters, exhausters, dryers, and such applications. Air is taken into the blower through a side opening and discharged through a smooth round outlet.

RELATIONSHIP TO OTHER EQUIPMENT:

MECHANICAL DESCRIPTION:

Physical Description: The blower consists of a single squirrel-cage type impeller housed in a welded pressed steel housing, and driven by a rubber mounted electric motor.
Power Supply: 115 volts, AC, 60 cycles per second, single phase.
Impeller Diameter: 3 inches.
Discharge Diameter: 2-1/8 inches.
Free Air Delivery: 50 cubic feet per minute.
Outlet Velocity: 2030 feet per minute.
Motor Speed: 3000 revolutions per minute.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.			
PROCUREM'T INFO.:			
PROCUREM'T COG.:	DESIGN COG.: Commercial		
F.I.I.N.:	FUNCTIONAL CLASS. NO.: 11.5.2		
- Electronics Test Equipment - Dayton Electric 1C-939			

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

BLOWER
Model 1C-939
(Dayton Electric Manufacturing Company)

MANUFACTURERS' OR CONTRACTORS' DATA:
Dayton Electric Manufacturing Company, Chicago, Illinois; Approximate Cost per Unit, $9.85.

REFERENCE DATA AND LITERATURE:
Manufacturer's Catalog.

SHIPPING DATA:

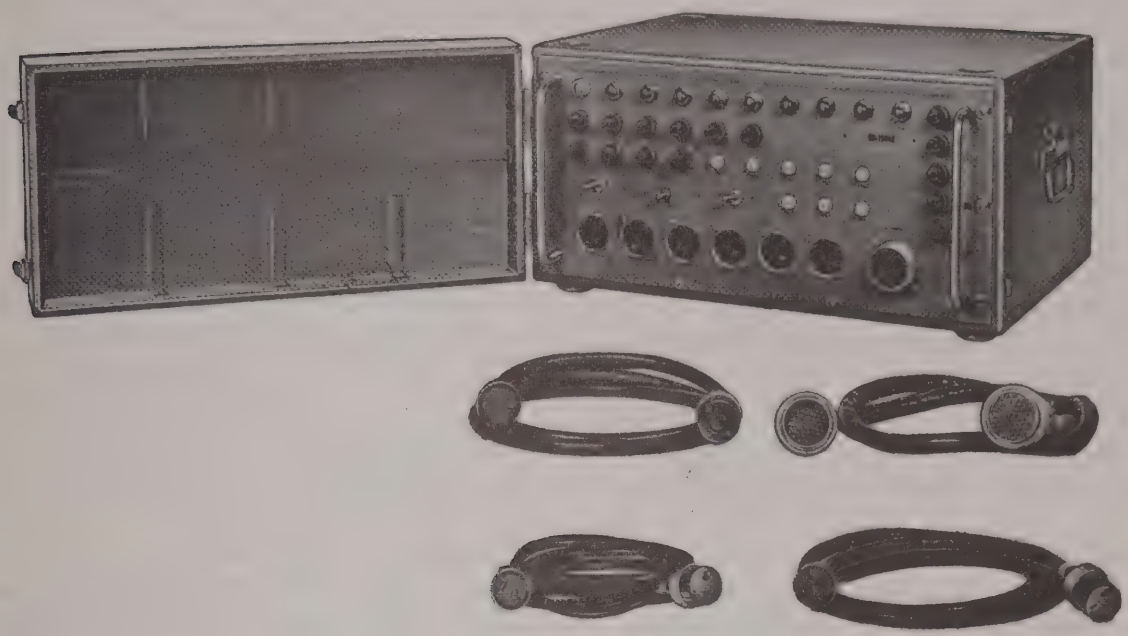
No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Blower Dayton Electric 1C-939	Steel		5-13/16	5-11/32	6-5/16	5

11.6 POWER SUPPLIES AND REGULATORS

POWER SUPPLY GROUP AN/GPM-9



FUNCTIONAL DESCRIPTION:

A portable, special purpose equipment used to distribute regulated power to various units of special purpose depot test equipment, including: AN/GPM-4 Computer Test Set, AN/GPM-5 Computer Test Set, AN/GPM-8 Servo Test Set, AN/GPM-10 Radar Test Set, AN/GPM-13 Test Adapter, and AN/GSM-2 Electrical Power Test Set which are used in testing Ground Position Indicator AN/APA-44.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: Power is received from three primary sources and from Power Supply Unit PP-185/APA-44 which is used as a secondary source of regulated power. The power supply control panel includes overload protection and indicator circuits. A five-minute delay circuit controls the warmup period of the power supply unit.

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.	Alternate Standard		
STOCK NOS.	7CAC-652830		
PROCUREM'T INFO.:			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, Arm.	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.6	
- Electronics Test Equipment -			AN/GPM-9

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

POWER SUPPLY GROUP AN/GPM-9

ELECTROMECHANICAL DESCRIPTION: (Continued)

Power Supply: 115 ±5 volts, AC, 60 cycles per second, ±5% single phase, 2300 volt-amperes; 115 ±5 volts, AC, 400 cycles per second, ±5% single phase, 2300 volt-amperes; 26 to 32 volts, DC, 416 watts.

Power Output: 120 volts, center tapped, AC, 350 cycles per second, single phase, 6 to 25 microamperes.

115 volts, AC, 60 cycles per second, single phase, 2300 volt-amperes, 20 amperes.

115 volts, AC, 400 cycles per second, single phase, 1600 volt-amperes, 13.9 amperes.

26 to 32 volts, DC, 400 watts, +150 ±5 volts, 150 microamperes, DC; +300 ±10 volts, DC; 200 microamperes, -150 ±5 volts, DC, 75 microamperes.

Temperature Range: 0°C. (+32°F.) to +45°C. (+113°F.), operational; -65°C. (-85°F.) to +85°C. (+185°F.), storage.

Relative Humidity: Up to 95%, operational or storage.

Altitude Range: Up to 10,000 feet, operational; up to 50,000 feet, non-operational.

MANUFACTURERS' OR CONTRACTORS' DATA:

Western Electric Company, 120 Broadway, New York, New York; USAF Contract AF 33(038)7414; Western Electric Spec. GS-15318; Drawing Index BB-745049, and BB-745272; Approximate Cost per Unit, $15,000.00.

TUBE COMPLEMENT:

None.

REFERENCE DATA AND LITERATURE:

TO 33D7-6-2-1 (Operation and Maintenance Instructions).

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Over-all Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

POWER SUPPLY GROUP AN/GPM-9

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock (USAF) Numbers (Navy) (Army)	Over-all Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Power Supply Group AN/GPM-9	Steel	7CAC-652830	9-1/2	19-3/4	17	60
	Including:						
1	Power Supply Control Panel GS-15049						
1	400 cps Power Cord BO-717321			72 long			
1	Power Cable BR-711573			72 long			
1	60 cps Power Cord BO-711522			72 long			
1	DC Power Cord BO-711577			72 long			

CONTROL BOX C-154/TPS-1B

FUNCTIONAL DESCRIPTION:

A portable, special purpose set containing variacs, switches, relays, and fuses for controlling the power supplies in testing the indicator, modulator, receiver, and RF units of radar equipment with a minimum of associated units required. The control box is normally connected between the power supply and the component, or components, to be tested. The power to the units under test can be controlled at either the control box or the radar indicator, if an indicator is used, by means of a switching arrangement. The set provides a triggering circuit for making range calibration tests on the radar indicator without the transmitter operating.

RELATIONSHIP TO OTHER EQUIPMENT:

Similar to Western Electric Model X-66312C.
Used in testing components of AN/TPS-1B radars.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.			2C666-154
PROCUREM'T INFO.:	Navy Spec. No. RE-9160		
PROCUREM'T COG.:	Navy	DESIGN COG.: Navy, BuShips	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.6	
	- Electronics Test Equipment -		C-154/TPS-1B

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CONTROL BOX C-154/TPS-1B

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: The control box consists of three circuits: a power distribution and control circuit for connecting the proper power to units being tested; a rectifier producing both regulated and unregulated voltages; and an oscillator producing a triggering pulse.

Power Supply: 115 volts, AC, single phase, 400 cycles, and 27 volts, DC; -150 volts, DC, +300 volts, DC, and +450 volts, DC.

Pulse Duration: 4 microseconds.

Pulse Repetition Rate: 200 pulses per second.

Rise Time: 0.15 microseconds.

Decay Time: 0.15 microseconds.

Pulse Amplitude: 45 volts in a 50-ohm circuit.

MANUFACTURERS' OR CONTRACTORS' DATA:

Western Electric Company, Inc., 120 Broadway, New York 5, New York; Western Electric Company Code No. X-66312C; Navy Contract No. NXss-38866.

TUBE COMPLEMENT:

2 JAN-5U4G, 3 JAN-6L6G, 1 JAN-6SL7GT, 2 JAN-OD3/VR-150, 1 JAN-6X5GT/G, 1 JAN-807.

REFERENCE DATA AND LITERATURE:

NAVSHIPS 900,459-1B (Maintenance Instructions).

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Over-all Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	
1	Control Box C-154/TPS-1B (Domestic Packed)	7.6	20-1/16	25-11/16	25-1/2	96

CONTROL BOX C-154/TPS-1B

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Over-all Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Control Box C-154/TPS-1B Including:	Aluminum	2C666-154	13	18-1/4	17-1/2	80
1	Cord CG-111/TPS-1B		1800-322850491	120 long			
1	Cord CG-186/TPS-1B		1800-295540040	72 long			
1	Cord CX-339/TPS-1B			72 long			
1	Cord CX-340/TPS-1B			72 long			
1	Cord CX-342/TPS-1B			72 long			
1	Cord CX-343/TPS-1B			600 long			
1	Cord CX-543/U			120 long			

RECTIFIER POWER UNIT PP-32/AR

FUNCTIONAL DESCRIPTION:

A portable, special purpose equipment used to supply power to Radio Receiving Set AN/ARR-5 and two additional radio receivers which operate with approximately the same power requirements.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: The power unit rectifier tubes are connected as full-wave rectifiers and the filaments of the tubes are wired to separate filament windings on the transformer. The transformer has three high voltage outputs, each of which is filtered with a low-pass L-section choke input filter. A bleeder resistor is connected across each high-voltage source. The transformer is tapped for operation on either 80 or 115 volts AC. The equipment is protected from overload by fuses. Panel lamps indicate when voltage is applied across the 6.3-volt filament winding, and when DC is available at the outlets.

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.		Standard	
STOCK NOS.			
PROCUREM'T INFO.:			
PROCUREM'T COG.: Navy		DESIGN COG.: Navy, BuAer	
F.I.I.N.: 5820-199-3148		FUNCTIONAL CLASS. NO.: 11.6	
- Electronics Test Equipment -			PP-32/AR

RECTIFIER POWER UNIT PP-32/AR

ELECTROMECHANICAL DESCRIPTION: (Continued)

Power Supply:

115 Volts, AC, 400 to 2600 Cycles per Second: 1.3 amp with 1 receiver, 2.0 amps with 2 receivers, 2.7 amps with 3 receivers.

80 Volts, AC, 400 to 2600 Cycles per Second: 1.85 amp with 1 receiver, 2.85 amps with 2 receivers, 3.85 amps with 3 receivers.

24 Volts DC: 0.25 amp with 1 receiver, 0.50 amp with 2 receivers, 0.75 amp with 3 receivers.

Power Output (for Each Receiver): 270 volts, AC, 400 to 2600 cycles per second, 135 milliamps; 24 volts DC, 0.25 amp (motor running); 6.3 volts AC, 4.5 amps.

MANUFACTURERS' OR CONTRACTORS' DATA:

TUBE COMPLEMENT:

3 5R4GY.

REFERENCE DATA AND LITERATURE:

TO 16-30ARR5-2 Handbook of Maintenance Instructions.

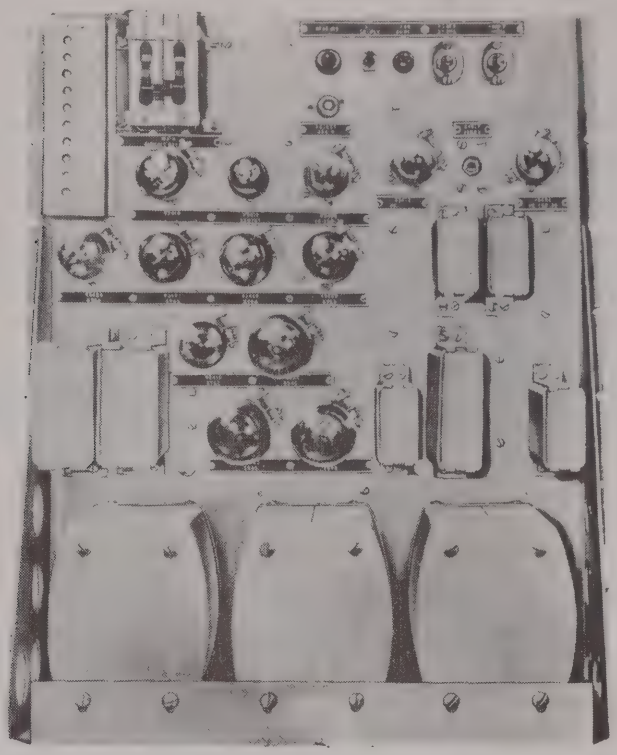
EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches) H	W	D	Weight (Lbs.)
1	Rectifier Power Unit PP-32/AR	metal		7-3/4	5	21	25
1	Mounting Base MT-167/U			2-1/2	6	22-3/4	1-3/4

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches) H	W	D	Weight Packed (Lbs.)
	Rectifier Power Unit PP-32/AR					

RECTIFIER POWER UNIT PP-81A/CPS-1
(POWER SUPPLY PP-81A/CPS-1)



FUNCTIONAL DESCRIPTION:

A portable, special purpose, electronic type power supply used with other equipment in bench testing a radar set. This equipment provides necessary plate bias, and filament voltages to the set under test so that normal operation of components is possible without dismounting power supplies normally installed with complete service equipment. This unit is rack mounted. The front of the chassis contains a main circuit breaker, an auxiliary power switch, three indicators (plate voltage, bias voltage, and filament voltage), and one fuse.

RELATIONSHIP TO OTHER EQUIPMENT:

This unit is used to supply operating voltages to the crystal calibrators, range mark generators, and angle mark generators of Radar Sets AN/CPS-1 and AN/MPS-5.

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	1800-349915-930		3H4497-81A
PROCUREM'T INFO.:	Exhibit WLENG-2080 (USAF)		
PROCUREM'T COG.:	USAF	DESIGN COG.:	USAF, Rome
F.I.I.N.:		FUNCTIONAL CLASS. NO.:	11.6
- Electronics Test Equipment -			PP-81A/CPS-1

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

RECTIFIER POWER UNIT PP-81A/CPS-1
(POWER SUPPLY PP-81A/CPS-1)

RELATIONSHIP TO OTHER EQUIPMENT: (Continued)
It is interchangeable with Rectifier Power Unit PP-81/CPS-1, but is more rugged and contains all JAN parts.

ELECTROMECHANICAL DESCRIPTION:
Circuit Information: A half-wave rectifier, a full-wave rectifier, a voltage divider, with accompanying filter circuits and voltage regulators, and a power transformer, make up the necessary circuitry.
Power Supply: 120 volts, AC, 60 cycles per second, single phase.
Voltage Output: +300 volts, DC, plate supply and blocking oscillator bias.
+105 volts, DC, plate supply.
-150 volts, DC, bias supply.
6.3 volts, AC, 60 cycles per second, single phase, filament supply.

MANUFACTURERS' OR CONTRACTORS' DATA:
General Electric Company, Electronics Park, Syracuse, New York; USAF Contract No. AF 33(038)11399.

TUBE COMPLEMENT:
3 JAN-5U4G, 2 JAN-OD3/VR-150, 5 JAN-6Y6G, 2 JAN-OC3/VR-105, 1 JAN-6SN7GT.

REFERENCE DATA AND LITERATURE:
TO 16-30CPS1-7 (Maintenance Instructions for AN/CPS-1).

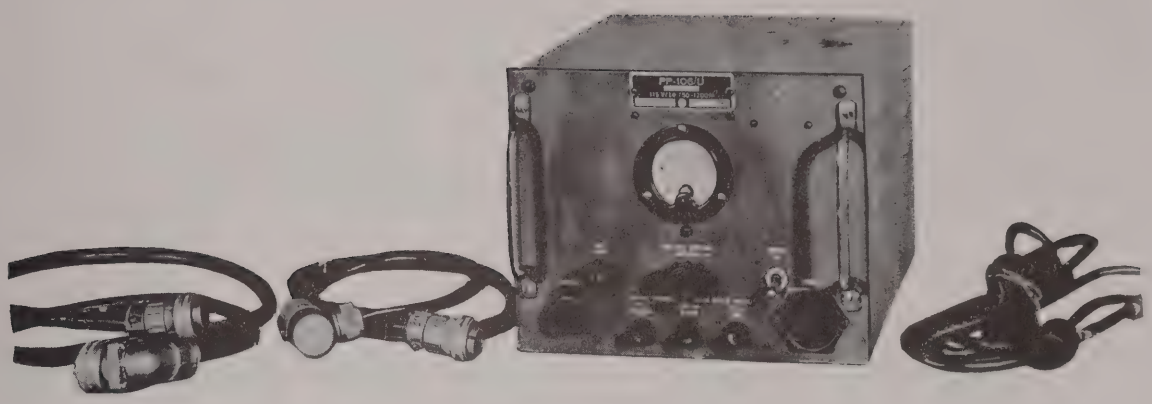
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Rectifier Power Unit PP-81A/CPS-1		1800-349915930 3H4497-81A	23	19	8	100

POWER SUPPLY PP-106/U



FUNCTIONAL DESCRIPTION:

A portable, general purpose power supply designed primarily for use with Test Set TS-24A/ARR-2 and Frequency Meter LM-14. The equipment provides both alternating and regulated direct current power.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: The circuit consists essentially of a power transformer with a multiple secondary winding, a five tube voltage regulator, and a tapped secondary winding for the fixed alternating voltage outputs. The direct current circuit is comprised of a full-wave rectifier, the regulating circuit and an output voltage indicator. The direct voltage output of the supply is varied by changing the grid bias on the control-grid amplifier of the regulating circuit. Three alternating voltage outputs are available, only one of which may be used

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.		Standard	
STOCK NOS.		(ASO)R16AN-PP106U A UG	
PROCUREM'T INFO.:		(ASO)R16AN-PP106U LOSF	
PROCUREM'T COG.: Navy, ASO		DESIGN COG.: Navy	
F.I.I.N.: 5830-390-5758		FUNCTIONAL CLASS. NO.: 11.6	
6130-376-1652	- Electronics Test Equipment -		PP-106/U

POWER SUPPLY PP-106/U

ELECTROMECHANICAL DESCRIPTION: (Continued)

at any one time. All output voltages are fed to a common output connector located on the front panel and both the alternating and direct current outputs are fused.

Power Supply: 115 volts ±10%, AC, 50 to 1200 cycles per second, single phase, 1.6 amps.

Power Output:

Direct Voltage: 90 to 300 volts.

Direct Current: 0.01 to 0.08 amps at 90 to 270 volts; 0.01 to 0.06 amps at 270 to 300 volts.

Alternating Voltage: 6.3 ±0.3 volts at 5 amps, maximum; 12.6 ±0.6 volts at 2.5 amps, maximum; 28 ±1.0 volts at 2.5 amps, maximum.

Regulation: 2%.

Ripple: Less than 1.0 volt peak-to-peak, maximum.

MANUFACTURERS' OR CONTRACTORS' DATA:

Marcon Manufacturing Company, Nutley, New Jersey; Contract No. N383-46953A; Approximate Cost per Unit, $189.88.

TUBE COMPLEMENT:

1 6SJ7, 1 6X5GT/G, 2 1625, 1 5R4GY, 1 0C3/VR105.

REFERENCE DATA AND LITERATURE:

AN 08-35PP106-2 (Maintenance Instructions).

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	
1	Power Supply PP-106/U	9	28	21	24-1/2	95

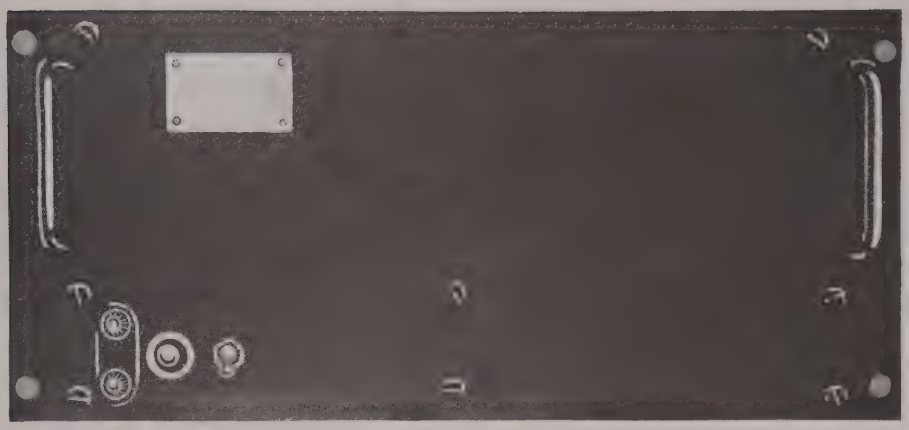
POWER SUPPLY PP-106/U

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Power Supply PP-106/U Including:	metal		10-9/16	14	7-3/4	44
1	Output Cable CC-103			44 long			1
1	Output Cable CC-102			44 long			1
1	Input Cable CC-101			120 long			1
1	Handbook AN 08-35PP-106-2			8-1/2	11	1/4	
1	Spare Parts						

626

RECTIFIER RA-66-B



FUNCTIONAL DESCRIPTION:

A portable, special purpose equipment used in testing the receiver system of a ground based radar set. It is used in depot maintenance only. When used in service, the equipment forms an integral part of the radar set, and supplies power to all components of the receiver system except the local oscillator. As test equipment, it supplies power to any or all of these components for bench testing. A red pilot light indicates when power is on. This pilot light, a power ON-OFF switch, and two fuses, , are located on the front panel of the unit. The unit has two carrying handles and may be rack-mounted.

RELATIONSHIP TO OTHER EQUIPMENT:

This equipment is used in testing AN/MPQ-2, AN/MSQ-1, -2, SCR-584.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.	Standard		
STOCK NOS.	1800-371090050		3H4691-66B
PROCUREM'T INFO.:			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, Rome	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.6	
- Electronics Test Equipment -			RA-66-B

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

RECTIFIER RA-66-B

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: This equipment consists of two separate rectifiers, and primary power circuit. The primary power circuit includes the power switch, fuses, indicator light, and three transformer primaries. An interlock breaks this circuit when the equipment is disconnected from the receiver system of the radar or when the voltage regulator is removed. One rectifier is a two-tube full-wave rectifier with an LC filter network and output bleeder resistor. The output is not regulated. This rectifier provides plate and screen voltages for the video stages of both the range and servo channels, the narrow gate circuit, the voltage regulators, and the seventh IF stage. Through the voltage regulator circuit, it provides the plate and screen voltages for the remaining IF stages and the AGC circuit. The other rectifier is a one-tube full-wave rectifier. Output is filtered in an LC network, and a bleeder resistor is connected across the output. The filtered output is applied through a resistor to a cold-cathode regulator which maintains a constant drop across its terminals. This rectifier provides bias for the AGC circuit, the sixth servo IF stage, and the voltage regulator component.

Power Supply: 115 volts ±2%, AC, 58 to 62 cycles per second, single phase.
Unregulated Output: +300 volts, DC.
Regulated Output: -105 volts, DC.
Primary Power Fuse Rating: 5 amperes, maximum.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; Army Contract W-2279-sc-31; Order No. 47-SCRL-42.

TUBE COMPLEMENT:

3 JAN-5U4G, 1 JAN-OC3/VR105.

REFERENCE DATA AND LITERATURE:

TO 16-40SCR584-7 (Service Manual, SCR-584-A, -B).

SHIPPING DATA:

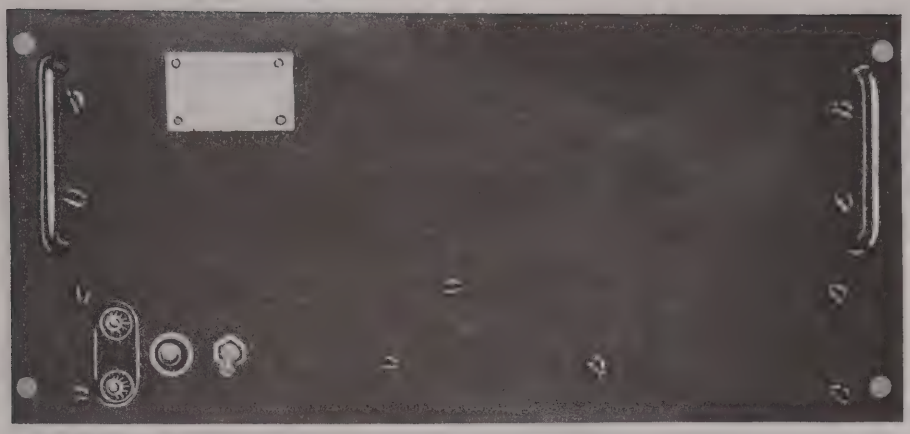
No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Over-all Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

RECTIFIER RA-66-B

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock (USAF) Numbers (Navy) (Army)	Over-all Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Rectifier RA-66-B	Aluminum	1800-371090050 3H4691-66B	8-3/4	19	13-1/4	75
1	Cabinet BE-96		3H672-96	8-7/8	19	14-1/8	4

RECTIFIER RA-69-B



FUNCTIONAL DESCRIPTION:

A portable, special purpose equipment used in testing the PPI system of a ground based radar set. It is used in depot maintenance only. When used in service, the equipment forms an integral part of the radar set, and supplies all power to the PPI Unit and the indicator, except for the filaments. As test equipment, it supplies power to these units for bench testing. A red pilot light indicates when power is on. This pilot light, a power ON - OFF switch, and two fuses, are located on the front panel of the unit. The unit has two carrying handles, and may be rack-mounted.

RELATIONSHIP TO OTHER EQUIPMENT:

This equipment is used in testing AN/MPQ-2.

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: This equipment consists of three separate rectifiers, a primary power circuit, a voltage regulating circuit, and an interlocking system which furnishes all of the operating potentials with the exception of filament

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.	Standard		
STOCK NOS.	1800-371092880		3H4691-69B
PROCUREM'T INFO.:			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, Rome	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.6	
- Electronics Test Equipment -			RA-69-B

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

RECTIFIER RA-69-B

ELECTROMECHANICAL DESCRIPTION: (Continued)

voltages for the PPI and indicator. The primary power circuit includes the power switch, two fuses, and six transformer primaries. The interlock system removes power from the plate transformers of all three rectifiers to prevent dangerous high voltage conditions during maintenance. The three rectifiers of the power circuit furnish regulated 270 volts, unregulated 300 volts, and 4500 volts for the second anode of the PPI scope. The filament voltages for the PPI unit and the PPI are supplied by a transformer in the PPI unit.

Power Supply: 115 volts ±2%, AC, 58 to 62 cycles per second, single phase.
High Voltage Output: +4500 volts, DC.
Unregulated Output: +300 volts, DC.
Regulated Output: +270 volts, DC.
Primary Power Fuse Rating: 5 amperes, maximum.
High Voltage Fuse Rating: 0.5 amperes, maximum.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; Army Contract W-2279-sc-31; Order 47-SCRL-42.

TUBE COMPLEMENT:

2 JAN-5U4G, 2 JAN-6B4G, 1 JAN-2X2, 1 JAN-6SN7GT, 1 JAN-OC3/VR105.

REFERENCE DATA AND LITERATURE:

TO 16-40RA69-5 (Maintenance Instructions).
TO 16-40RA69-21 (Replacement of High Voltage Cable).
TO 16-40SCR584-7 (Service Manual, SCR-584-A, -B).

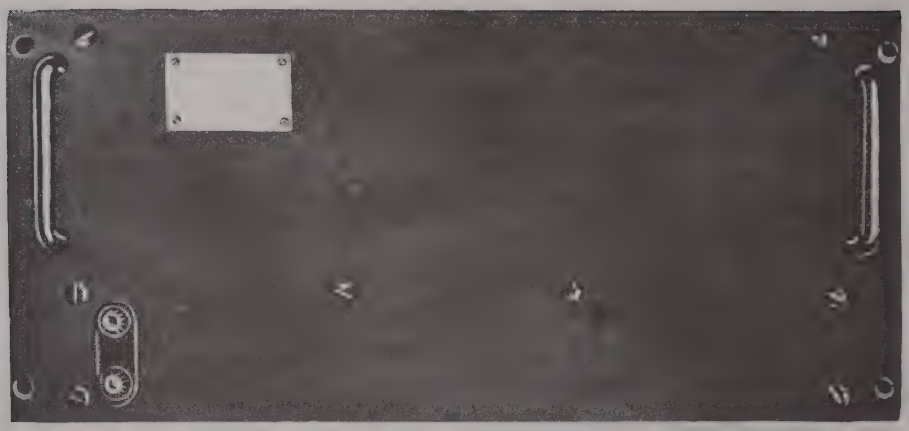
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Rectifier RA-69-B	Aluminum	1800-371092880 3H4691-69B	8-3/4	19	13-1/4	75
1	Cabinet BE-96		3H672-96	8-7/8	19	14-1/8	4

RECTIFIER RA-70-B



FUNCTIONAL DESCRIPTION:

A portable, special purpose equipment used in testing the drive motors of the antenna positioning system of a ground based radar set. It is used in depot maintenance only. When used in service, the equipment forms an integral part of the radar set, and supplies power to the shunt fields of the antenna drive motors. As test equipment, it supplies power to these fields for bench testing. A red pilot light indicates when power is on. This pilot light, a power ON-OFF switch, and two fuses, are located on the front panel of the unit. The unit has two carrying handles and may be rack-mounted. Amplifier BC-1074-B (Remote Video Amplifier) is mounted with this unit in its case, but has no electrical connection.

RELATIONSHIP TO OTHER EQUIPMENT:

This equipment is used in testing AN/MPQ-2 and SCR-584.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	1800-371093000		3H4691-70
PROCUREM'T INFO.:			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, Rome	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.6	
- Electronics Test Equipment -			RA-70-B

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

RECTIFIER RA-70-B

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: This equipment consists of a primary power circuit and a rectifier circuit. The primary power circuit includes the power switch, fuses, indicator light, and two transformer primaries. The rectifier is a one-tube full-wave rectifier whose output is taken across three bleeder resistors. The inductance of the motor field windings is sufficient to filter this output. One of the transformers supplies the tube plate voltage and the other supplies the tube filament voltage.

Power Supply: 115 volts, ±2%, AC, 58 to 62 cycles per second, single phase.

Output Voltage: +260 volts, DC.

Primary Power Fuse Rating: 5 amperes, maximum.

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; Army Contract W-2279-sc-31; Order 47-SCRL-42.

TUBE COMPLEMENT:

1 JAN-5U4G.

REFERENCE DATA AND LITERATURE:

TO 16-40RA70-5 (Maintenance Instructions).

TO 16-40SCR584-7 (Service Manual SCR-584-A, -B).

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Rectifier RA-70-B	Aluminum	1800-371093000 3H4691-70	8-3/4	19	13-1/4	75
1	Cabinet BE-96		3H672-96	8-7/8	19	14-1/8	4

RECTIFIER RA-72-C

FUNCTIONAL DESCRIPTION:

A portable, special purpose equipment used in testing the range unit and range indicator of the range system of a ground based radar set. It is used in depot maintenance only. When used in service, the equipment forms an integral part of the radar set, and supplied power to the vacuum tube circuits in the range unit and the range indicator, to the range scopes and multivibrator bias in the range unit, and to the motor fields and armatures in the range indicator unit. As test equipment, it supplies power to these units for bench testing. Two pilot lights indicate when power is being delivered to the range motors and to the range unit. These pilot lights, a power ON-OFF switch, and four fuses, are located on the front panel of the unit. The unit has two carrying handles and may be rack-mounted.

RELATIONSHIP TO OTHER EQUIPMENT:

This equipment is used in testing AN/MPQ-2, SCR-584.

It is interchangeable with previous models except as to parts. Modification Kit

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	1800-371094500		3H4691-72
PROCUREM'T INFO.:			
PROCUREM'T COG.: USAF		DESIGN COG.: USAF, Rome	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.6	
- Electronics Test Equipment -			RA-72-C

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

RECTIFIER RA-72-C

RELATIONSHIP TO OTHER EQUIPMENT: (Continued)

MX-1328/MP modifies the A and B models to this model, which has increased filtering, improved regulation, and additional overload protection.

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: This equipment consists of a primary power circuit, three rectifiers and a voltage regulator circuit. The primary power circuit includes the power switch, fuses, indicator lights, and four transformer primaries, one of which serves also as an auto-transformer. The low-voltage rectifier consists of a full-wave rectifier, regulators, control regulator, and voltage regulator. Two outputs are taken from this stage, one regulated and the other unregulated, for vacuum tube circuits in the range unit and the range indicator. The high-voltage rectifier consists of a half-wave rectifier with a simple RC filter. It has four outputs taken from points on a bleeder resistor. The field rectifier consists of three gas rectifiers for full-wave rectification. Its output is applied to the fields of the two motors in the range indicator unit through a regulating resistor which controls maximum motor speed by controlling field current. The power supplied for the field and armature current rectifiers is separately fused and does not go through the ON-OFF power switch. A separate indicator light shows when the auto-transformer is energized. This section of the equipment is energized as soon as power is applied to the input.

Power Supply: 110 to 120 volts, AC, 58 to 62 cycles per second, single phase.
Output: 6.3 volts AC, 8 amperes.
Regulated Output: +250 volts, DC, 150 milliamperes.
Unregulated Output: +400 volts, DC, 50 milliamperes.
High-Voltage Output Rectifier:
-1950 volts DC.
-61 volts DC.
-13.25 volts DC.
Field Rectifier Output: +80 volts, DC, 200 milliamperes.
+20 volts, DC, 75 milliamperes.
Primary Power Fuse Ratings:
Low and High Voltage Rectifiers: 5 amperes, maximum.
Field and Armature Current Rectifiers: 3 amperes, maximum.

MANUFACTURERS' OR CONTRACTORS' DATA:

This model was manufactured only by Evans Signal Laboratory, Belmar, New Jersey. The "B" model was manufactured by General Electric Company, Schenectady, New York; Army Contract W-2279-sc-31 (Order 47-SCRL-42).

TUBE COMPLEMENT:

3 JAN-83, 3 JAN-6B4G, 1 JAN-5U4G, 1 JAN-6SJ7GT, 1 JAN-OC3/VR-105, 1 JAN-2X2/879.

RECTIFIER RA-72-C

REFERENCE DATA AND LITERATURE:

TO 16-40SCR584-7 (Service Manual, SCR-584-A, -B).

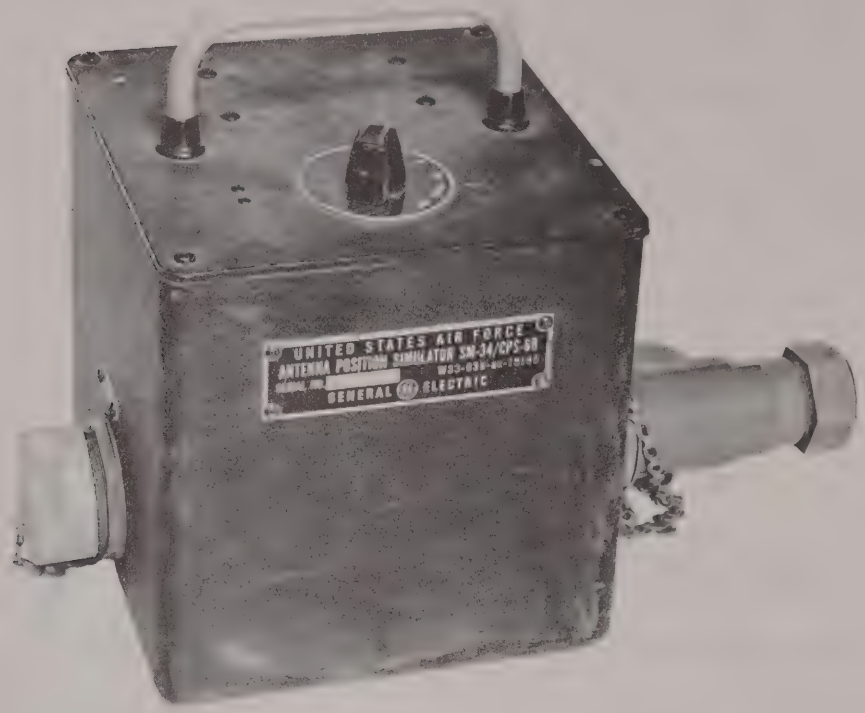
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Rectifier RA-72-C	Aluminum	1800-371094500 3H4691-72	8-3/4	19	13-1/4	75
1	Cabinet BE-96		3H672-96	8-7/8	19	14-1/8	4

ANTENNA POSITION SIMULATOR SM-34/CPS-6B
(TEST SET, SYNCHRO, SM-34/CPS-6B)



FUNCTIONAL DESCRIPTION:

A portable, special purpose equipment, used in all maintenance echelons with other test equipment, for testing a radar set. This equipment is used specifically in permitting the alignment of the servo amplifying equipment in the servo system used with the antenna positioning system of the radar set.

RELATIONSHIP TO OTHER EQUIPMENT:

This equipment is used in testing Radar Set AN/CPS-6B.

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: This unit places a voltage on the control transformer in the servo system, giving a simulated antenna position signal.

Inputs and Outputs: Synchronizing phase 1, synchronizing phase 2, 36 x S3, 36 x S2, 36 x S1, 1 x S3, 1 x S2, 1 x S1.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	7CAC-725325		2C1160-34
PROCUREM'T INFO.:	USAF Exhibit WLENG 108-A		
PROCUREM'T COG.:	USAF	DESIGN COG.:	USAF, Rome
F.I.I.N.:		FUNCTIONAL CLASS. NO.:	11.6
	- Electronics Test Equipment -		SM-34/CPS-6B

is project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

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ANTENNA POSITION SIMULATOR SM-34/CPS-6B
(TEST SET, SYNCHRO, SM-34/CPS-6B)

MANUFACTURERS' OR CONTRACTORS' DATA:

General Electric Company, Schenectady, New York; G.E. Part/Dwg. No. ML-7600762; USAF Contract W33-038-ac-16195.

TUBE COMPLEMENT:

None.

REFERENCE DATA AND LITERATURE:

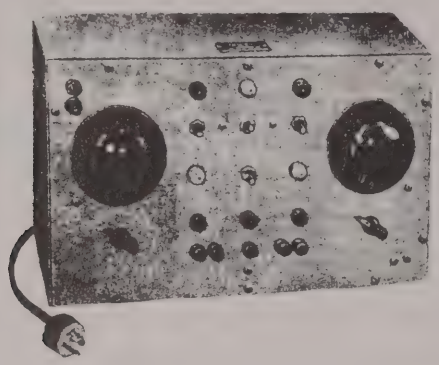
SHIPPING DATA:

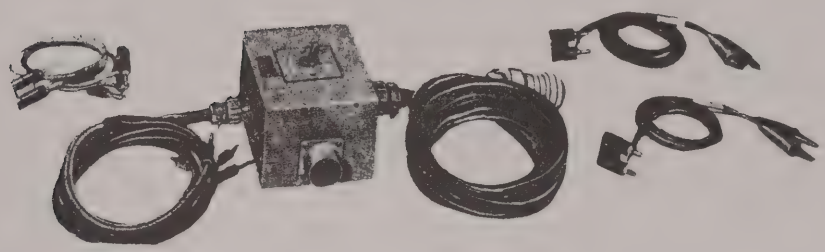
No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Antenna Position Simulator SM-34/CPS-6B	Aluminum	7CAC-725325 2C1160-34	9-7/8	7-1/8	9-7/16	20

POWER SUPPLY, TWO-PHASE
Part No. 13673-1-A
(Eclipse-Pioneer Division of Bendix Aviation Corporation)





FUNCTIONAL DESCRIPTION:

A portable, general purpose equipment used as variable source of AC power. The set may be used as a two-phase power source or the output may be used as two sources of single-phase power electrically isolated.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: A three-phase input voltage feeds power to two isolation transformers which are connected as a Scott-T configuration displacing the voltage output phases by 90 degrees. Each transformer feeds a separate output circuit. Each of the circuits consists of variable power transformer and an autotransformer. A switch located on the front panel permits selection of the desired output. The correct phase displacement is indicated by a phase-indicator-light circuit comprised of two similar phase-shifting networks and a

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.		Standard	
STOCK NOS.		(ASO)R88TO950-440-000	
PROCUREM'T INFO.: Drawing No. 13673-1-A			
PROCUREM'T COG.: Navy		DESIGN COG.: Commercial	
F.I.I.N.: 4920-694-9196		FUNCTIONAL CLASS. NO.: 11.6	
- Electronics Test Equipment -			E.-P. 13673-1-A

POWER SUPPLY, TWO-PHASE
Part No. 13673-1-A
(Eclipse-Pioneer Division of Bendix Aviation Corporation)

ELECTROMECHANICAL DESCRIPTION: (Continued)

lamp. Input and output voltages are measured by means of an external meter connected to terminals located on the panel and a switching arrangement.

Power Supply: 110 to 120 volts, AC, 380 to 420 cycles per second, three-phase, BAC phase rotation, 5 amps, minimum.

Power Output: 0 to 300 volts, AC, 380 to 420 cycles per second, two-phase, 90 degrees phase displacement, 2 amps, minimum.

Autotransformer Dial Calibration: 0 to 100 in increments of 1.0.

MANUFACTURERS' OR CONTRACTORS' DATA:

Eclipse-Pioneer Division, Bendix Aviation Corporation, 43 Williams Avenue, Teterboro, New Jersey; Contract No. N383-34264A; Approximate Cost per Unit, $691.70.

TUBE COMPLEMENT:

REFERENCE DATA AND LITERATURE:

NavAer 17-15C-522 (Operation, Service and Overhaul Instructions).

SHIPPING DATA:

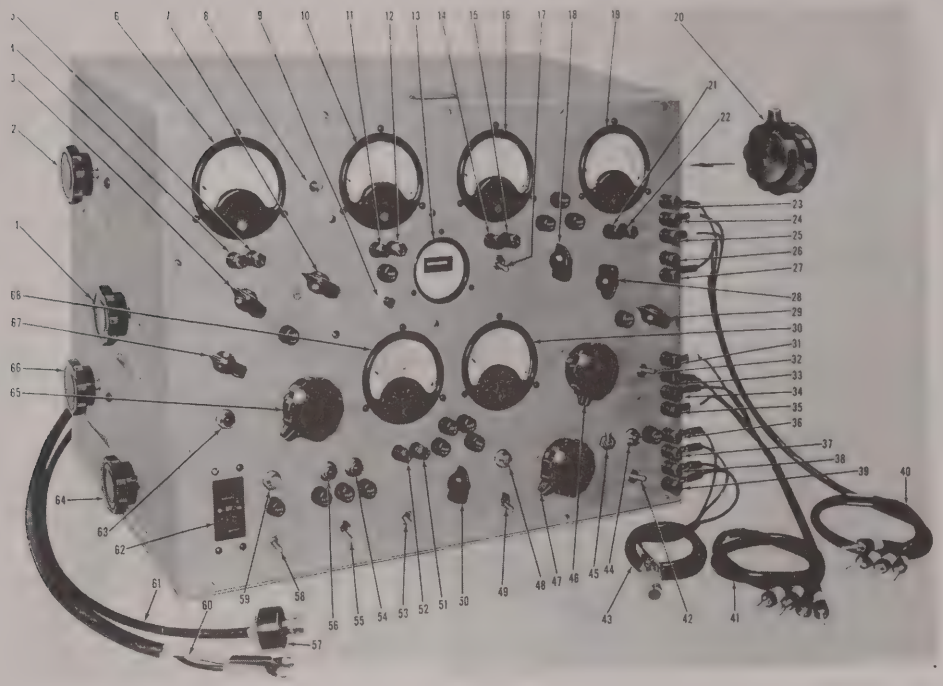
No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	
1	Power Supply, Two-Phase Eclipse-Pioneer 13673-1-A	3.5	22	15	16	56

POWER SUPPLY, TWO-PHASE
Part No. 13673-1-A
(Eclipse-Pioneer Division of Bendix Aviation Corporation)

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Power Supply, Two-Phase	metal		11	17	10	40
	Eclipse-Pioneer 13673-1-A Including:						
2	Cable Assembly QB 74222-1						
1	Cable Assembly QB 74223-1						
1	Cable Assembly Servo Adapter Test QB 74417-1						

CONTROL
Part No. 13739-1-A
(Eclipse-Pioneer Division)



Controls (rheostats, powerstats, switches, etc.): 1, 2, 3, 7, 8, 9, 17, 18, 20, 28, 29, 32, 42, 45, 46, 47, 49, 50, 53, 55, 58, 62, 64, 65, 66, 67. Cables: 40, 41, 43, 57, 60, 61. Indicators: Voltmeters: 6. 19; Ammeters: 10, 16, 30, 68; Pilot Lights: 44, 48, 54, 56, 57, 60, Binding Posts: 4, 5, 11, 12, 14, 15, 21-27, 31, 33-39, 51, 52.

FUNCTIONAL DESCRIPTION:

This equipment is intended to be used with a suitable dynamometer in testing the torque of low inertia motors. The function of the control is essentially that of a power supply. It is designed to be used with Eclipse-Pioneer Dynamometer, types 13751-1-A, 2-A, 3-A and 4-A. It may also be used as a controlled power source for any low torque motor application.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: The panel of the instrument contains a DC voltmeter for measuring field, armature, and line input; a DC voltmeter to measure the output of

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	7CAD-224100	R88TO950-145-000	
PROCUREM'T INFO.:			
PROCUREM'T COG.:		DESIGN COG.: Commercial	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.6	
- Electronics Test Equipment -			E.-P. 13739-1-A

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

CONTROL
Part No. 13739-1-A
(Eclipse-Pioneer Division)

ELECTROMECHANICAL DESCRIPTION: (Continued)

high DC voltage supply; a DC ammeter for current measurement of field and armature; a DC milliammeter to measure the 0 to 200 volt, DC supply load current; an AC ammeter and AC milliammeter to measure motor AC current; and a frequency meter. All of these meters, with the exception of the frequency meter, have connecting posts for external use.

Switches and controls for DC armature voltage, variable phase supply to motor or dynamometer, fixed phase supply to motor or dynamometer, and other necessary power switches and controls are located at the front and sides of the test instrument.

Power Supply: 115 volts, AC, 400 cycles per second, 3-phase.
28 volts, DC.
Motor Torque Range: 0.1 to 62.5 inch ounces.
DC Voltmeter Range: 0 to 30 volts.
DC Voltmeter Range: 0 to 200 volts.
DC Ammeter Range: 0 to 10 amperes.
DC Milliammeter Range: 0 to 100 milliamperes.
AC Ammeter Range: 0 to 1 ampere.
0 to 2 amperes.
AC Milliammeter Range: 0 to 100 milliamperes.
0 to 200 milliamperes.
Frequency Meter Range: 380 to 420 cycles per second.

MANUFACTURERS' OR CONTRACTORS' DATA:

Eclipse-Pioneer Division, Bendix Aviation Corporation, Teterboro, New Jersey; Contract No. AF 33(600)16314.

TUBE COMPLEMENT:

None.

REFERENCE DATA AND LITERATURE:

Eclipse-Pioneer Division Publication "Service Test Equipment Publication No. S1-13739."

SHIPPING DATA:

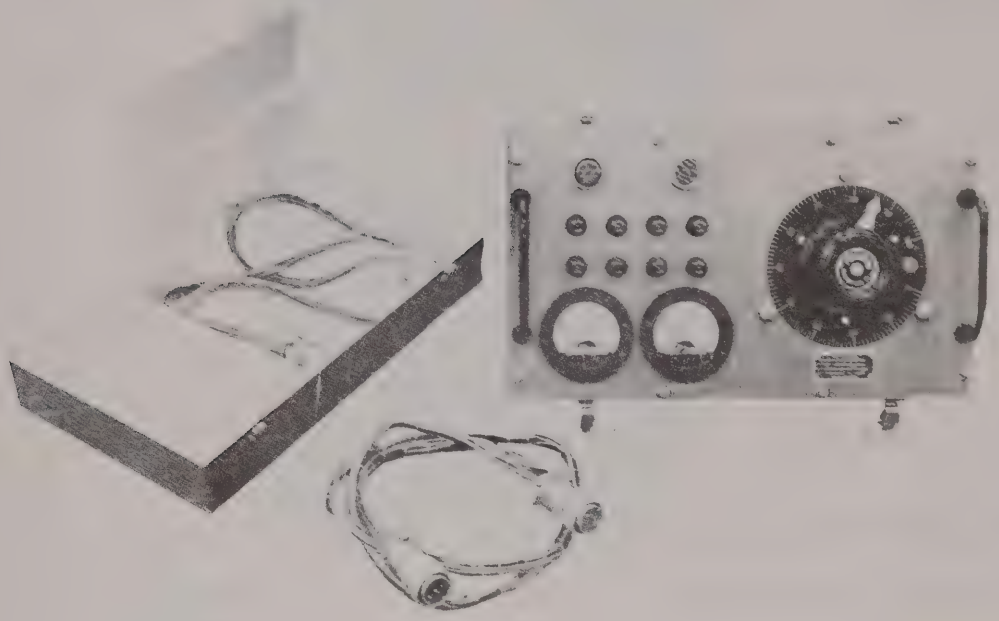
No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	
1	Control (Eclipse-Pioneer 13739-1-A)	9.5	23-1/4	33 -	21-1/2	143

CONTROL
Part No. 13739-1-A
(Eclipse-Pioneer Division)

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Control (Eclipse-Pioneer 13739-1-A)			19	26-1/4	16	
	Including:						
1	Cable, DC						
1	Cable, 2-phase, 400 cycle						
1	Cable, dynamometer						

TEST SET
(TEST SET, AC LINE VOLTAGE ADJUSTMENT)
Part No. 7603348G1
(General Electric Company)



FUNCTIONAL DESCRIPTION:

A portable instrument used as a voltage control stage between an AC primary power supply and the equipment under test. By using the test set, AC line voltages supplied to the equipment under test may be adjusted to normal operating conditions.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: Connections are made with the primary power supply and with the equipment under test by means of cables and receptacles. A variable transformer, and a jumper assembly are mounted on the front panel of the tester for the purpose of regulating input and output voltages. Indications are read on a voltmeter and an ammeter which are also mounted on the front panel.

Input Voltage: 115 volts, AC, single-source (synchronous), or double-source (synchronous and non-synchronous). 28 volts, DC.

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	7CAC-801319-2323		
PROCUREM'T INFO.:			
PROCUREM'T COG.:	DESIGN COG.: Commercial		
F.I.I.N.:	FUNCTIONAL CLASS. NO.: 11.6		
- Electronics Test Equipment -			G. E. 7603348G1

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multi[illegible]ed in U. S. A.

650

TEST SET
(TEST SET, AC LINE VOLTAGE ADJUSTMENT)
Part No. 7603348G1
(General Electric Company)

ELECTROMECHANICAL DESCRIPTION: (Continued)
Output Voltage: 0 to 130 volts, AC, 400 cycles per second.
28 volts, DC.
Voltage Measurment Range: 0 to 150 volts, AC, 400 cycles per second.
Current Measurement Range: 0 to 20 amperes, 400 cycles per second.

MANUFACTURERS' OR CONTRACTORS' DATA:
General Electric Company, 1 River Road, Schenectady, New York.

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:
TO 33D5-5-99-1 (Operation and Service Instructions)

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Test Set G. E. Part No. 7603348G1	Alumi-num	7CAC-801319-2323	8	17	9	
2	Cable Assembly						

POWER SUPPLY
MODEL 715A
(Hewlett-Packard Company)

FUNCTIONAL DESCRIPTION:

A portable, general purpose equipment used to provide a source of supply to low power klystron tubes. Output of the equipment is indicated by means of calibrated dials and a panel meter which monitors the beam current.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: The equipment includes continuously variable, regulated beam-voltage and reflector supplies and a filament supply. Means are provided which permit the reflector supply to be either internally or externally square wave modulated, or sine wave modulated at the power line frequency. A protective circuit in the reflector supply precludes accidental damage to a klystron by preventing the reflector from becoming appreciably more positive than the cathode.

Power Supply: 115 or 230 volts ±10%, AC, 50 to 60 cycles per second, 200 watts.

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.			
PROCUREM'T INFO.:			
PROCUREM'T COG.: Navy		DESIGN COG.: Commercial	
F.I.I.N.:		FUNCTIONAL CLASS. NO.: 11.6	
- Electronics Test Equipment - Hewlett-Packard 715A			

POWER SUPPLY
MODEL 715A
(Hewlett-Packard Company)

ELECTROMECHANICAL DESCRIPTION: (Continued)

Klystron Beam Supply:
Voltage Range: Continuously variable 250 to 400 volts.
Current: 30 milliamps maximum at 250 volts, 50 milliamps at 400 volts.
Voltage Regulation: Less than 1% from no load to full load or for line voltage variations of ±10%.
Ripple: Less than 7 millivolts.
Klystron Reflector Supply:
Voltage Range: Continuously variable 0 to 900 volts with respect to beam supply.
Current: 10 microamps maximum.
Voltage Regulation: Within ±1% for ±10% line voltage variations.
Ripple: Less than 10 millivolts.
Square Wave Modulation (Internal):
Frequency: 1000 cycles per second, deviation variable ±100 cycles per second.
Voltage: Variable 0 to 110 volts peak-to-peak.
Rise and Decay Time: Less than 10 microseconds.
Sine Wave Modulation (Internal): 60 cycles per second, variable 0 to 350 volts peak-to-peak.
Filament Supply: 6.3 volts, AC, 1.5 amp maximum.
External Modulation Input Impedance: 100,000 ohms.

MANUFACTURERS' OR CONTRACTORS' DATA:
Hewlett-Packard Company, 375 Page Mill Road, Palo Alto, California; Approximate Cost per Unit, $300.00.

TUBE COMPLEMENT:

REFERENCE DATA AND LITERATURE:
Manufacturer's Catalog.

SHIPPING DATA:

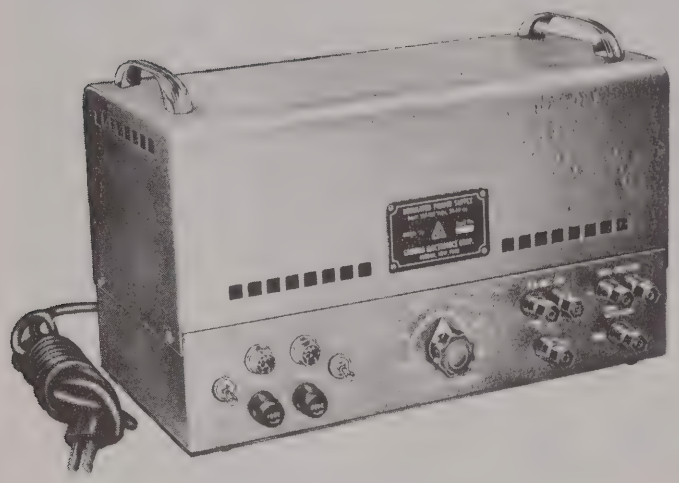
No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	
1	Power Supply Hewlett-Packard 715A and accessories					24

POWER SUPPLY
MODEL 715A
(Hewlett-Packard Company)

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches) H	W	D	Weight (Lbs.)
1	Power Supply Hewlett-Packard 715A	metal		11-3/4	7-1/2	13-3/4	18
1	Cable Assembly Hewlett-Packard 715A-16C						

POWER SUPPLY
MODEL NO. 25
(Lambda Electronics Corporation)



FUNCTIONAL DESCRIPTION:

A portable, general purpose, continuously-variable, output voltage control used when testing Interceptor-Guidance Group AN/GPA-6. Directly calibrated in volts DC.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Power Supply: 105 to 125 volts, AC, 50 to 60 cycles per second, single phase, 120 watts.

DC Output: 200 to 325 volts DC; 0 to 100 milliamperes regulated.

AC Output: 6.3 volts AC center tapped at 3 amperes, unregulated.

DC Voltage Regulation: Output constant to better than 1% for loads from zero to full load and line voltage variations from 105 to 125 volts.

Internal Impedance: Approximately 10 ohms.

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.			
PROCUREM'T INFO.:			
PROCUREM'T COG.:	DESIGN COG.: Commercial		
F.I.I.N.:	FUNCTIONAL CLASS. NO.: 11.6		
- Electronics Test Equipment -			Lambda 25

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

POWER SUPPLY
MODEL No. 25
(Lambda Electronics Corporation)

ELECTROMECHANICAL DESCRIPTION: (Continued)
Noise and Ripple Output: Less than 10 millivolts root mean square.

MANUFACTURERS' OR CONTRACTORS' DATA:
Lambda Electronics Corporation, 103-02 Northern Boulevard, Corona 68, New York; Approximate Cost per Unit, $59.50, January 1952.

TUBE COMPLEMENT:
1 JAN-5V4G, 2 JAN-6Y6G, 1 JAN-6SJ7, 1 JAN-OA3/VR-75.

REFERENCE DATA AND LITERATURE:
Manufacturer's Pamphlet "Electronically Regulated Laboratory Power Supplies."

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	
1	Power Supply Model No. 25					25

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Power Supply Model No. 25			8	14	6	17
1	Heavy Duty Line Cord			96 long			

PANEL, CONTROL
Part No. T-101067
(Sperry Gyroscope Company)

FUNCTIONAL DESCRIPTION:

This control panel is designed as a power source to drive the V_a (true airspeed) motor of the true airspeed drive assembly of Tracking Computer B-2A or MJ-1 when it is not mounted in the tracking computer.

The front panel of the instrument contains the indicator lamps, switches, and control necessary for the proper operation of the control panel.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: Two power cord assemblies connect the input voltages to the control panel from the power sources. Three toggle switches control the output and polarity of the supply voltage to the true airspeed drive assembly. A variable transformer controls the amplitude of the output voltage fed to the armature of the V_a servo motor. Indicator lamps on the panel signal when power is on.

Power Supply: 27 volts, DC.
115 volts, AC, 400 cycles per second, single-phase. (Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	7CAC-618503-25		
PROCUREM'T INFO.:			
PROCUREM'T COG.:		DESIGN COG.: Commercial	
F.I.I.N.:		FUNCTIONAL CLASS. NO.:	11.6
	- Electronics Test Equipment -		Sperry T-101067

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U. S. A.

PANEL, CONTROL
Part No. T-101067
(Sperry Gyroscope Company)

ELECTROMECHANICAL DESCRIPTION: (Continued)
Power Output: 27 volts, DC.
115 volts, AC, 400 cycles per second, single-phase.

MANUFACTURERS' OR CONTRACTORS' DATA:
Sperry Gyroscope Company, Division of the Sperry-Rand Corporation, Great Neck, Long Island, New York; Contract No. AF 33(600)6565.

TUBE COMPLEMENT:
None.

REFERENCE DATA AND LITERATURE:
TO 33D5-5-62-1 (Operation and Service Instructions).
TO 33D5-5-62-4 (Illustrated Parts Breakdown).

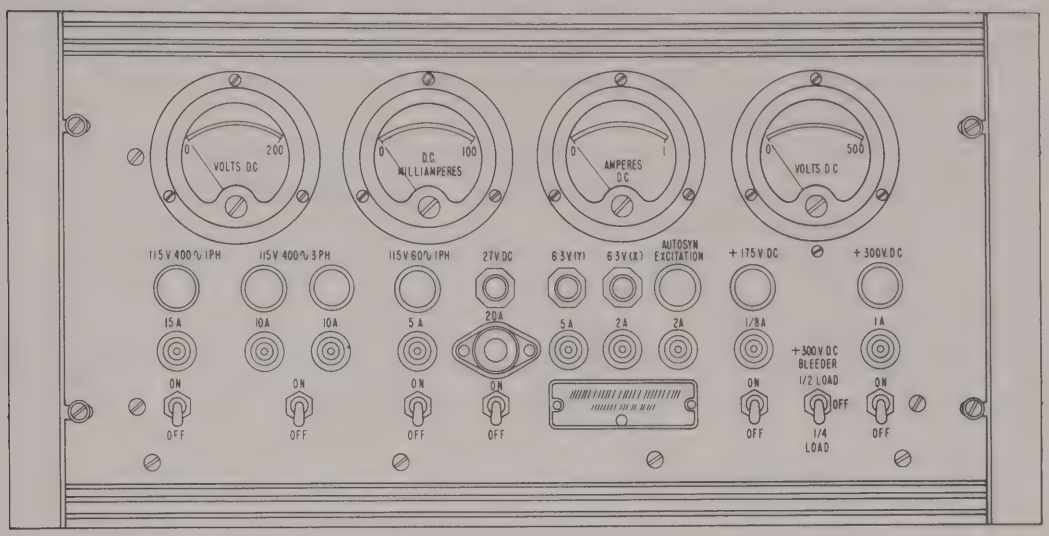
SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	
1	Panel, Control (Sperry T-101067)	4.01	19	19	19	30

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Panel, Control (Sperry T-101067)	Metal	7CAC-618503-25	8-3/4	13	9-1/4	9

JUNCTION BOX, POWER SUPPLY
Part No. T-101126
(Sperry Gyroscope Company)



FUNCTIONAL DESCRIPTION:

This is a portable, special purpose equipment designed to distribute voltages to the following test fixtures: Bombing Computer Analyzer T-101052, Navigation Control Box Analyzer T-101059, Polar Converter Analyzer T-101055, S. A., CA. and Turn Generator Fixture T-101278, and the Stabilization Unit Analyzer T-101058.

RELATIONSHIP TO OTHER EQUIPMENT:

ELECTROMECHANICAL DESCRIPTION:

Circuit Information: Switches on the front panel control output voltages to four cables which connect four duplicate sets of output voltages from the junction box to a maximum of four test fixtures. Indicator lamps on the panel signal that power switches are in the "On" position. Meters are placed on the panel to indicate output currents and voltages. Two transformers are incorporated in the circuit to step down voltages to the required level for distribution to the fixture under test. A valuable transformer is used to control the primary voltage of one of these transformers.

Power Supply: 27.5 ± 5 volts, DC.
175 and 300 volts, DC (from Power Supply type A-1).

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	7CSG-T-101126		
PROCUREM'T INFO.:			
PROCUREM'T COG.:		DESIGN COG.: Commercial	
F.I.I.N.:		FUNCTIONAL CLASS. NO.:	11.6
- Electronics Test Equipment -			Sperry T-101126

This project was supported by the USAF on Contract AF 33(600)28276 and monitored by WADC, ARDC - Carl L. Frederick, Bethesda, Md. - Multilithed in U.S.A.

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JUNCTION BOX, POWER SUPPLY
Part No. T-101126
(Sperry Gyroscope Company)

ELECTROMECHANICAL DESCRIPTION: (Continued)

Power Supply: (Continued)
115 ± 5 volts, AC, 400 ± 20 cycles per second, single-phase.
115 ± 5 volts, AC, 400 ± 20 cycles per second, three-phase.
115 volts, AC, 60 cycles per second, single-phase.

Power Output: 27.5 volts, DC.
175 and 300 volts, DC (from Power Supply type A-1).
1.87, 6.1, 10.3, 11.8, 24.3, 26, 40 and 115 volts, AC, 400 cycles per second, single-phase.
115 volts, AC, 400 cycles per second, three-phase.
115 volts, AC, 60 cycles per second, single-phase.

MANUFACTURERS' OR CONTRACTORS' DATA:

Sperry Gyroscope Company, Division of the Sperry-Rand Corporation, Great Neck, Long Island, New York; Contract No. AF 33(038)14787.

TUBE COMPLEMENT:

None.

REFERENCE DATA AND LITERATURE:

TO 33D5-5-72-1 (Operation and Service Instructions).
TO 33D5-5-72-4 (Illustrated Parts Breakdown).

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Overall Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	
1	Junction Box, Power Supply (Sperry T-101126)	9.1	30	25	21	126

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock Numbers (USAF) (Navy) (Army)	Overall Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Junction Box, Power Supply (Sperry T-101126)	Metal	7CSG-T-101126	10-1/2	15	21	20